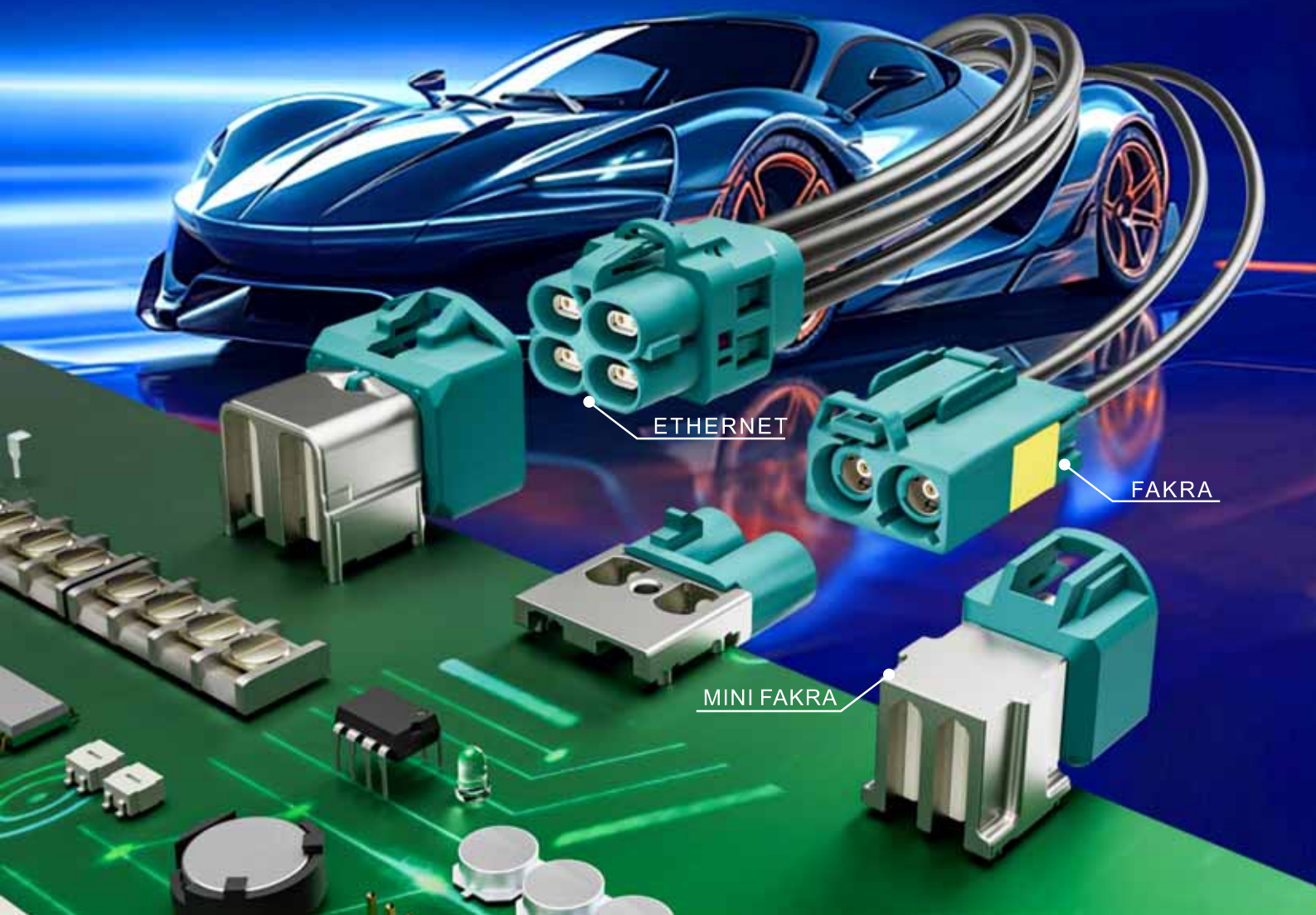


汽车高频 同轴连接器线束组件

Automotive High-frequency
Coaxial Connector Harness Assembly

Your Reliable Partner in Connectivity!
您信赖的连接器&连接线专家！



ABOUT US

Company

Signal Electronics was established in 2009. We are a leading industrial connectors and cables company with product development and manufacturing capabilities. We offer customized connectors design expertise and manufacturing services to meet our customers' needs.

Products

- Circular connectors such as M5, M8, M9, M12, M14, M16, M17, M23, M40, 7/8", Mini-Din, MIL-C-5015, D38999, USB, D-sub, etc. (Include A, B, C, D, X, S, T, L, E, F, K, M, Y, P... -Coding)
- Cable harness assembly
- Customized connectors and cables
- One-stop solution

Quality

- We are ISO9001 and ISO14001, IATF16949 certified company
- Our products conforms to international testing standards; including CE, cUL, UKCA, TUV, RoHS, REACH, IP67, IP68, IP69K.

Service

- Dedicated project manager for your project from start to finish
- Fast quote within 24 hours
- Expedited samples submission to help you win over your competitors
- We have proven product quality and dependable services as recognized by our customers throughout North America and EU.

Partnership

Our goal is to work with and earn our customer's trust, starting with a single project and mature into a long-term partnership; especially with OEM/ODM customers.

If you have any questions, please feel free to contact us through sales@sz-signal.com or call +86-0755-29886112. We are here to assist you!

公司简介

公司概况

深圳市盛格纳电子有限公司（注册商标SIGNAL，以下简称盛格纳）是一家专业的连接器和线束制造商。盛格纳专注于工业领域的连接器研发制造和线束组装加工，并提供客制化解决方案。盛格纳成立于2009年，总部位于深圳市光明区，拥有40000平方米的标准工业厂房，拥有一支600余人的研发、制造、销售团队，模具车间、注塑车间、五金车间、连接器装配车间、线束加工车间，以及按行业国际标准建设的实验室，并已荣获多项技术专利，是国家高新技术，国家级专精特新“小巨人”企业，服务于全球多家500强知名企业。



认证体系

盛格纳推行先进的企业管理体系，建立了完善的ISO 9001:2015国际质量认证体系和ISO 14001:2015环境管理体系认证，拥有知识产权管理体系GB/T29490-2013及工业化和信息化融合管理体系GB/T 23001-2017，并于2021年正式导入IATF 16949:2016质量管理体系。产品先后通过了CE、cUL、UKCA和TUV等安规认证，产品防护等级高达IP67/IP68/IP69K等标准。

经营范围

盛格纳主要经营产品有：圆形防水连接器，射频同轴连接器，推拉自锁连接器，航空连接器D38999系列等。其中，圆形M系列防水连接器种类齐全：M5/M8/M9/M12/M16/M17/M23/M40/7/8"，RD24系列；现场总线/工业以太网：SPE/Ethernet/EtherCAT/PROFINET/PROFIBUS/DeviceNet/CANopen/CC-link系列；IO-Link：分线盒/现场安装连接器/分配器/预铸线束。其功能不但在于信号传输和电源供应，也涉及网络互联和数据传输等连接应用。

服务行业

目前已广泛应用于工业自动化，汽车电子及制造，机器人，轨道交通，传感器，医疗，船舶，能源等领域。公司产品持续十年保持70%以上出口率，累计已服务全球60多个国家和地区。

公司理念

盛格纳始终坚持“技术创新、科学管理、追求高效、顾客满意”的核心价值观，坚持与客户和供应商建立长期合作、互惠双赢的合作伙伴关系。盛格纳致力于成为您可信赖的连接器和连接线专家，成为世界连接器行业的知名品牌！



认证 CERTIFICATION



贯标出质量，认证树形象



产品系列/Product Series

FAKRA连接器/FAKRA connector

06~19

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FAKRA 双头连接器/FAKRA Double-ended Connector	12
FAKRA 防水线缆组件/FAKRA Waterproof Cable Assemblies	13
FAKRA 公头线缆组件/FAKRA Male Cable Assembly	14
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MINI FAKRA连接器/MINI FAKRA Connector

20~29

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MINI FAKRA(R-MF)线缆组件/MINI FAKRA(R-MF) Cable Assembly	27

以太网连接器/Ethernet connector

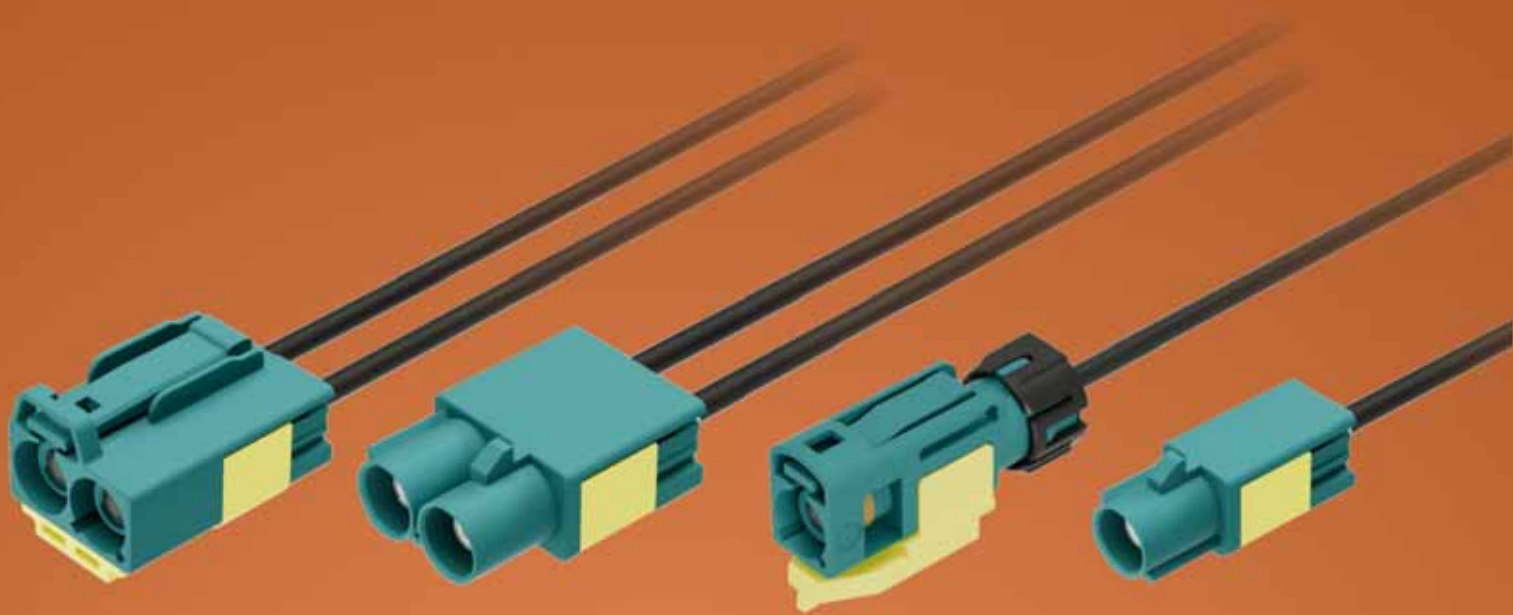
30~37

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RF连接器/RF connector

RF000~RF069

FAKRA connector



FAKRA Product Overview

特征与优势

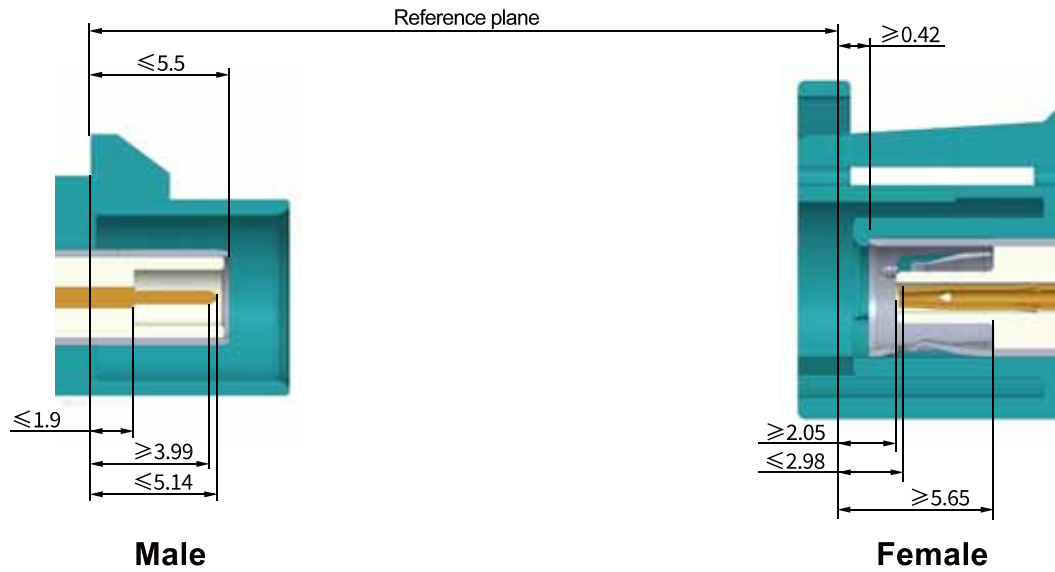
- 阻抗 50Ω
- 频率范围 DC to 6 GHz
- 工作温度范围 -40°C to +105°C
- 满足汽车行业USCAR高性能和安全射频信号传输要求
- 14种颜色扣位编码，高效防止误插
- 弹性锁扣互锁结构，快速连接

产品应用

- 360°环视摄像头/智能驾驶/自动紧急制动/雷达巡航
- GPS导航/广播天线/V2X天线/射频蓝牙/无线通信



FAKRA 产品参数/FAKRA Product Parameters



Male

Female

适用标准/Applicable standards

符合标准/Comply with standards

ISO 20860-1, SAE/USCAR-18

电气参数/Electrical parameters

特性阻抗/Characteristic impedance

50Ω

频率范围/Frequency range

DC to 6GHz

电压驻波比(VSWR)/Voltage Standing Wave Ratio (VSWR)

$\leq 1.4, 0-2\text{GHz}$
 $\leq 1.5, 2-3\text{GHz}$
 $\leq 1.6, 3-6\text{GHz}$

插入损耗(IL)/Insertion loss (IL)

$\leq 0.3\text{dB}, 0-3\text{GHz}$
 $\leq 0.45\text{dB}, 3-6\text{GHz}$

工作电压/Operating voltage

$\leq 60\text{V DC}$

绝缘耐压/Insulation withstand voltage

$\leq 750\text{V DC}$

绝缘电阻/Insulation resistance

$\geq 100\text{M}\Omega$

射频泄漏/RF leakage

$\leq 45\text{dB}, 0-3\text{GHz}$
 $\leq 40\text{dB}, 3-6\text{GHz}$

机械参数/Mechanical parameters

耐久性(标准, 不防水)/Durability (standard, not waterproof)

≥ 25

耐久性(防水)/Durability (waterproof)

≥ 5

插入力(标准)/Insertion force (standard)

$\leq 25\text{N}$

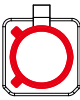
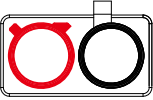
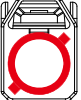
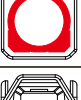
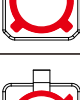
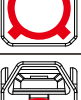
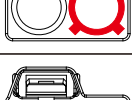
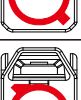
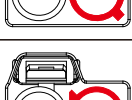
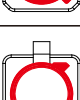
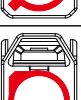
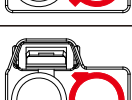
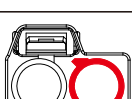
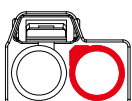
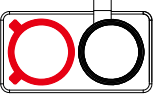
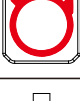
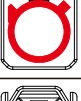
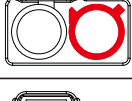
插入力(防水)/Insertion force (waterproof)

$\leq 45\text{N}$

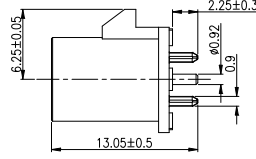
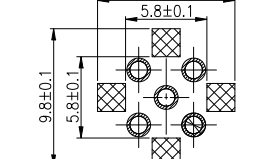
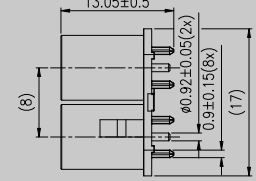
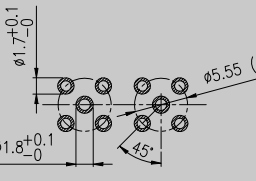
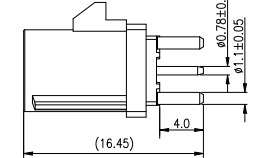
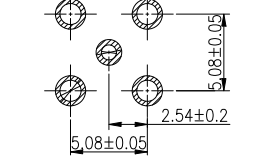
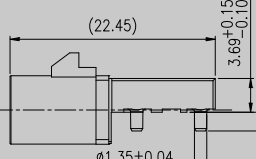
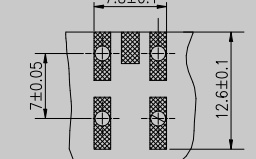
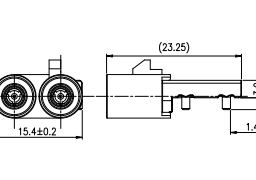
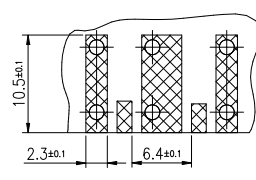
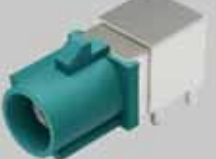
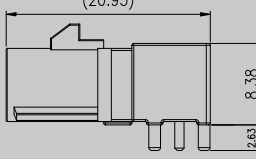
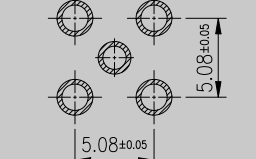
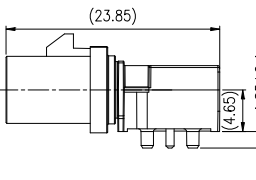
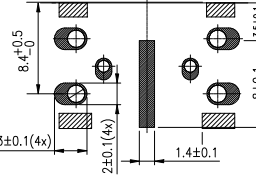
锁扣保持力/Lock retention

$\geq 110\text{N}$

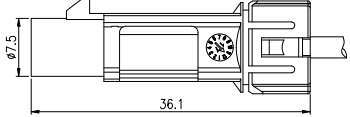
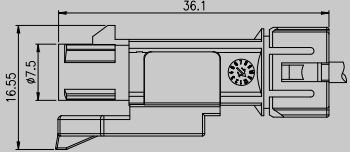
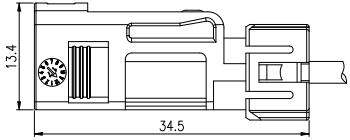
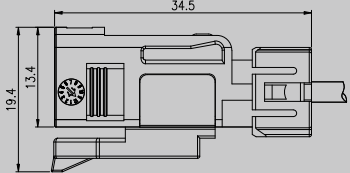
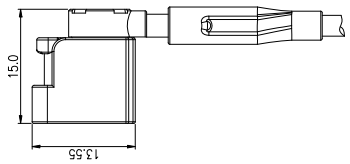
FAKRA 颜色扣位/FAKRA color buckle

扣位 Buckle position	公头/male		母头/Female		颜色/RAL色码 Color/RAL color code
	单头/Single head	双头/Double Head	单头/Single head	双头/Double Head	
A					黑色 /9005 
B					白色 /9001 
C					蓝色 /5005 
D					紫红色 /4004 
E					绿色 /6002 
F					深棕色 /8011 
G					灰色 /7031 
H					紫罗兰 /4003 
I					米黄色 /1001 
K					咖喱色 /1027 
L					胭脂红 /3002 
M					粉橙色 /2003 
N					松蓝绿色 /6019 
Z					水蓝色 /5021 

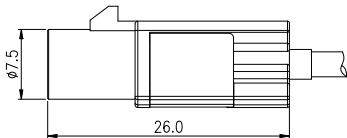
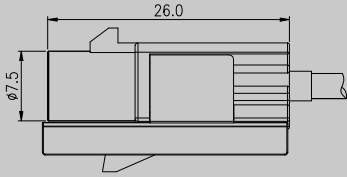
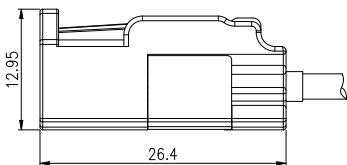
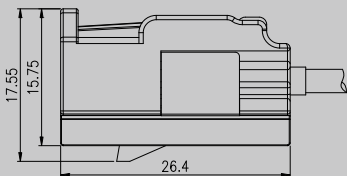
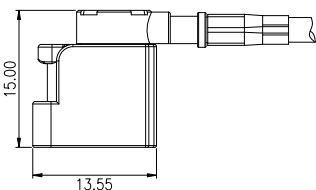
FAKRA 板端连接器/FAKRA Board connector

产品图 Product picture	订货号 Order No.	编码 Coding	尺寸图 Scale diagram	印制板焊盘 PCB Layout
	805020-00-001	A~Z		
	805020-00-002	A~Z		
	805020-00-003	A~Z		
	805020-00-004	A~Z		
	805020-00-005	A~Z		
	805020-00-006	A~Z		
	805020-00-007	A~Z		
产品参数 Product Parameters	特性阻抗: 50Ω 频率范围: DC-6GHz 机械寿命: ≥25 Cycles 温度范围: -40°C to +105°C 回波损耗: ≥16dB, DC to 2GHz, ≥14dB, 2 to 3GHz, ≥13dB, 3 to 6GHz			

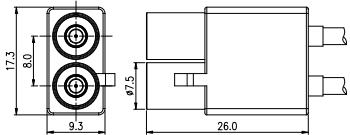
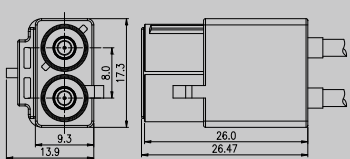
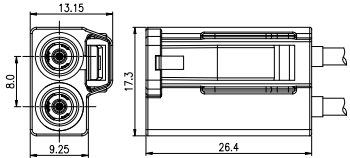
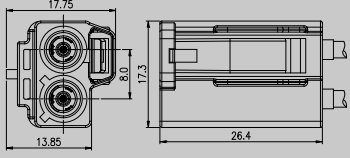
FAKRA 防水连接器/FAKRA Waterproof Connector

产品图 Product picture	订货号 Order No.	线材 Cable	编码 Coding	尺寸图 Scale diagram
	805020-00-008	RG174/Dacar462	A~Z	
	805020-00-009	RTK031/Dacar302		
	805020-00-010	RG58		
	805020-00-011	RG174/Dacar462	A~Z	
	805020-00-012	RTK031/Dacar302		
	805020-00-013	RG58		
	805020-00-014	RG174/Dacar462	A~Z	
	805020-00-015	RTK031/Dacar302		
	805020-00-016	RG58		
	805020-00-017	RG174/Dacar462	A~Z	
	805020-00-018	RTK031/Dacar302		
	805020-00-019	RG58		
	805020-00-032	RG174/Dacar462	A~Z	
	805020-00-033	RTK031/Dacar302		
	—	—		
产品参数 Product Parameters	特性阻抗:50Ω 频率范围:DC-6GHz 机械寿命:≥25 Cycles 温度范围:-40℃ to +105℃ 防水等级:IP67 回波损耗:≥16dB,DC to 2GHz , ≥14dB,2 to 3GHz, ≥13dB,3 to 6GHz			

FAKRA 非防水连接器/FAKRA Non-Waterproof Connector

产品图 Product picture	订货号 Order No.	线材 Cable	编码 Coding	尺寸图 Scale diagram
	805020-00-020	RG174/Dacar462	A~Z	
	805020-00-021	RTK031/Dacar302		
	805020-00-022	RG58		
	805020-00-023	RG174/Dacar462	A~Z	
	805020-00-024	RTK031/Dacar302		
	805020-00-025	RG58		
	805020-00-026	RG174/Dacar462	A~Z	
	805020-00-027	RTK031/Dacar302		
	805020-00-028	RG58		
	805020-00-029	RG174/Dacar462	A~Z	
	805020-00-030	RTK031/Dacar302		
	805020-00-031	RG58		
	805020-00-034	RG174/Dacar462	A~Z	
	805020-00-035	RTK031/Dacar302		
	—	—		
产品参数 Product Parameters	特性阻抗:50Ω 频率范围:DC-6GHz 机械寿命:≥25 Cycles 温度范围:-40℃ to +105℃ 回波损耗:≥16dB,DC to 2GHz , ≥14dB,2 to 3GHz, ≥13dB,3 to 6GHz			

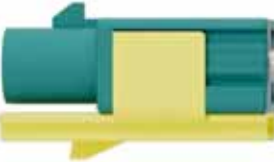
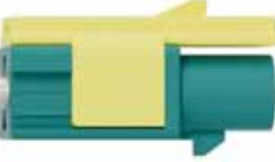
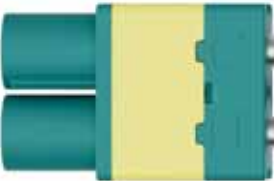
FAKRA 双头连接器/FAKRA Double-ended Connector

产品图 Product picture	订货号 Order No.	线材 Cable	编码 Coding	尺寸图 Scale diagram
	805020-00-036	RG174/Dacar462	A~Z	
	805020-00-037	RTK031/Dacar302		
	805020-00-038	RG58		
	805020-00-039	RG174/Dacar462	A~Z	
	805020-00-040	RTK031/Dacar302		
	805020-00-041	RG58		
	805020-00-042	RG174/Dacar462	A~Z	
	05020-00-043	RTK031/Dacar302		
	805020-00-044	RG58		
	805020-00-045	RG174/Dacar462	A~Z	
	805020-00-046	RTK031/Dacar302		
	805020-00-047	RG58		
产品参数 Product Parameters	特性阻抗:50Ω 频率范围:DC-6GHz 机械寿命:≥25 Cycles 温度范围:-40°C to +105°C 回波损耗:≥16dB,DC to 2GHz , ≥14dB,2 to 3GHz, ≥13dB,3 to 6GHz			

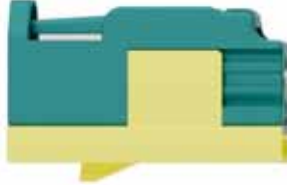
FAKRA 防水线缆组件/FAKRA Waterproof Cable Assemblies

A端 A-side	线材 Cable	B端 B-side
		
FAKRA Male 无卡扣	RG174/DACAR462或同类线材	FAKRA Male 无卡扣
	RTK031/DACAR302或同类线材	
	RG58或同类线材	
		
FAKRA Male 有卡扣*	RG174/DACAR462或同类线材	FAKRA Male 有卡扣*
	RTK031/DACAR302或同类线材	
	RG58或同类线材	
		
FAKRA Female 无卡扣	RG174/DACAR462或同类线材	FAKRA Female 无卡扣
	RTK031/DACAR302或同类线材	
	RG58或同类线材	
		
FAKRA Female 有卡扣*	RG174/DACAR462或同类线材	FAKRA Female 有卡扣*
	RTK031/DACAR302或同类线材	
	RG58或同类线材	

FAKRA 公头线缆组件/FAKRA Male Cable Assembly

A端 A-side	线材 Cable	B端 B-side
 FAKRA Male 无卡扣	RG174/Dacar462或同类线材	 FAKRA Male 无卡扣
	RTK031/Dacar302或同类线材	
	—	
 FAKRA Male 有卡扣*	RG174/Dacar462或同类线材	 FAKRA Male 有卡扣*
	RTK031/Dacar302或同类线材	
	RG58或同类线材	
 FAKRA Male (双头) 无卡扣	RG174/Dacar462或同类线材	 FAKRA Male (双头) 无卡扣
	RTK031/Dacar302或同类线材	
	RG58或同类线材	
 FAKRA Male (双头) 有卡扣*	RG174/Dacar462或同类线材	 FAKRA Male (双头) 有卡扣*
	RTK031/Dacar302或同类线材	
	RG58或同类线材	

FAKRA 母头线缆组件/FAKRA Female Cable Assembly

A端 A-side	线材 Cable	B端 B-side
		
FAKRA Female 无卡扣	RG174/Dacar462或同类线材	FAKRA Female 无卡扣
	RTK031/Dacar302或同类线材	
	RG58或同类线材	
		
FAKRA Female 有卡扣*	RG174/Dacar462或同类线材	FAKRA Female 有卡扣*
	RTK031/Dacar302或同类线材	
	RG58或同类线材	
		
FAKRA Female 弯头(防水)	RG174/Dacar462或同类线材	FAKRA Female 弯头(防水)
	RTK031/Dacar302或同类线材	
	—	
		
FAKRA Female 弯头(非防水)	RG174/Dacar462或同类线材	FAKRA Female 弯头(非防水)
	RTK031/Dacar302或同类线材	
	—	

FAKRA 双头线缆组件/FAKRA Double-ended Cable Assemblies

A端 A-side	线材 Cable	B端 B-side
 FAKRA Female (双头) 无卡扣	RG174/Dacar462或同类线材	 FAKRA Female (双头) 无卡扣
	RTK031/Dacar302或同类线材	
	RG58或同类线材	
 FAKRA Female (双头) 有卡扣*	RG174/Dacar462或同类线材	 FAKRA Female (双头) 有卡扣*
	RTK031/Dacar302或同类线材	
	RG58或同类线材	
 FAKRA Female (双头) 无卡扣	RG174/Dacar462或同类线材	 FAKRA Male (双头) 无卡扣
	RTK031/Dacar302或同类线材	
	RG58或同类线材	
 FAKRA Female (双头) 有卡扣*	RG174/Dacar462或同类线材	 FAKRA Male (双头) 有卡扣*
	RTK031/Dacar302或同类线材	
	RG58或同类线材	

FAKRA 双头线缆组件/FAKRA Double-ended Cable Assemblies

A端 A-side	线材 Cable	B端 B-side
FAKRA Male (双头)	RG174/Dacar462或同类线材	FAKRA Male (非防水)
	RTK031/Dacar302或同类线材	
	RG58或同类线材	
FAKRA Male (双头)	RG174/Dacar462或同类线材	FAKRA Female (非防水)
	RTK031/Dacar302或同类线材	
	RG58或同类线材	
FAKRA Male (双头)	RG174/Dacar462或同类线材	FAKRA Female (非防水)
	RTK031/Dacar302或同类线材	
	—	

FAKRA 双头线缆组件/FAKRA Double-ended Cable Assemblies

A端 A-side	线材 Cable	B端 B-side
FAKRA Female (双头)	RG174/Dacar462或同类线材	FAKRA Male (非防水)
	RTK031/Dacar302或同类线材	
	RG58或同类线材	
FAKRA Female (双头)	RG174/Dacar462或同类线材	FAKRA Female (非防水)
	RTK031/Dacar302或同类线材	
	RG58或同类线材	
FAKRA Female (双头)	RG174/Dacar462或同类线材	FAKRA Female (非防水)
	RTK031/Dacar302或同类线材	
	—	

FAKRA 双头线缆组件/FAKRA Double-ended Cable Assemblies

A端 A-side	线材 Cable	B端 B-side
		
FAKRA Male (双头)	RG174/Dacar462或同类线材	FAKRA Male (防水)
	RTK031/Dacar302或同类线材	
	RG58或同类线材	
		
FAKRA Male (双头)	RG174/Dacar462或同类线材	FAKRA Female (防水)
	RTK031/Dacar302或同类线材	
	RG58或同类线材	
		
FAKRA Female (双头)	RG174/Dacar462或同类线材	FAKRA Male (防水)
	RTK031/Dacar302或同类线材	
	RG58或同类线材	
		
FAKRA Female (双头)	RG174/Dacar462或同类线材	FAKRA Female (防水)
	RTK031/Dacar302或同类线材	
	RG58或同类线材	

MINI FAKRA Connector



MINI FAKRA Product Overview

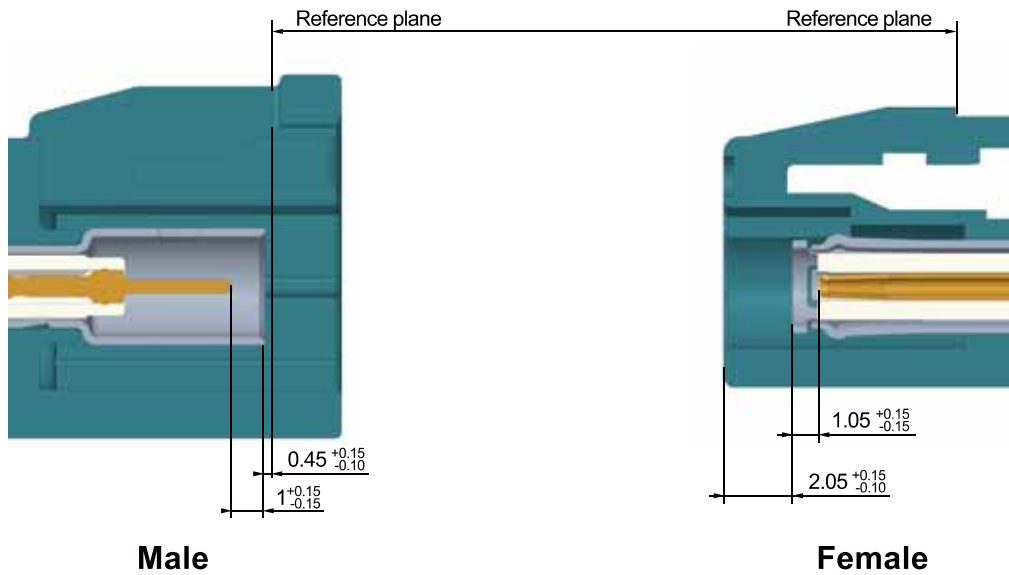
特征与优势

- 与传统的FAKRA连接器相比,减轻了重量和尺寸,节省了高达80%的空间
- 四合一&双端口设计,灵活布线
- 工作温度范围 -40°C to $+105^{\circ}\text{C}$
- 满足汽车行业USCAR高性能和安全射频信号传输要求
- 弹性锁扣互锁结构,快速连接

产品应用

- 环视、前视、后视、侧视、夜视、驾车道辅助、远光灯辅助、盲点兼测、交通标志识别、驾驶员监控、手势控制、流媒体后视镜摄像头……
- 电子仪表、抬头显示 (HUD)、高清显示屏、副驾娱乐屏、后排触控仪表
- GNSS (GPS/其他)、5G、无钥匙进入、自动泊车、蓝牙、Wi-Fi、V2X (车联网)

MINI FAKRA产品参数/MINI FAKRA Product Parameters



Male

Female

适用标准/Applicable standards

符合标准/Comply with standards

USCAR-49

电气参数/Electrical parameters

特性阻抗/Characteristic impedance

50Ω

频率范围/Frequency range

DC to 9GHz

电压驻波比(VSWR)/Voltage Standing Wave Ratio (VSWR)

≥20dB, 0-3GHz
≥14dB, 2-6GHz
≥11dB, 3-9GHz

插入损耗(IL)/Insertion loss (IL)

≤0.1 × √f(GHz)dB

工作电压/Operating voltage

≤60V DC

绝缘耐压/Insulation withstand voltage

≤750V DC

绝缘电阻/Insulation resistance

≥100MΩ

机械参数/Mechanical parameters

耐久性(标准, 不防水)/Durability (standard, not waterproof)

≥25

耐久性(防水)/Durability (waterproof)

≥5

插入力(single)/Insertion Force (single)

≤15N

插入力(double)/Insertion Force (double)

≤30N

插入力(quad)/Insertion Force (quad)

≤45N

拔出力(single)/Withdrawal Force (single)

≥2N

拔出力(double)/Withdrawal Force (double)

≥2N

拔出力(quad)/Withdrawal Force (quad)

≥5N

锁扣保持力/Lock Retention

≥110N

MINI FAKRA颜色扣位(Single)/MINI FAKRA color buckle (Single)

扣位 Buckle position	公头 male	母头 Female	颜色/RAL色码 Color/RAL color code
A			Black/9005 
B			White/ 9010 
C			Blue/ 5012 
D			Bordeauxviolet / 4004 
E			Green/6017 
F			BroNn/8011 
G			Gray/7036 
H			Lght Pink / 3015 
J			Belge/ 1001 
K			Cumy/1027 
N			Pastel Green / 6019 
Z (neutral coding)			Waterolue/ 5021 

如有需求,可提供特定的编码。塑料外壳的颜色按照所列的 RAL 颜色标准确定。
由于生产过程中的差异,可能会出现细微的颜色差别。

MINI FAKRA颜色扣位(Double)/MINI FAKRA color buckle (Double)

扣位 Buckle position	公头 male	母头 Female	颜色/RAL色码 Color/RAL color code
A			Black/9005 
B			White/ 9010 
C			Blue/ 5012 
D			Bordeauxviolet / 4004 
E			Green/6017 
F			BroNn/8011 
G			Gray/7036 
H			Lght Pink / 3015 
J			Belge/ 1001 
K			Cumy/1027 
N			Pastel Green / 6019 
Z (neutral coding)			Waterolue/ 5021 

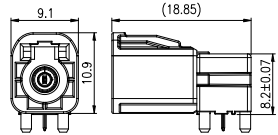
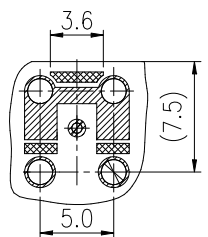
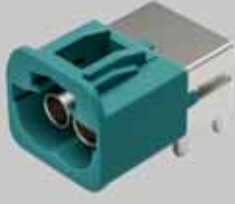
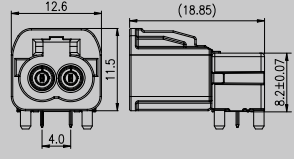
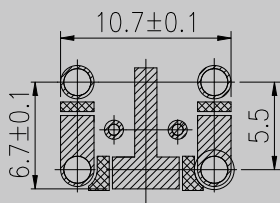
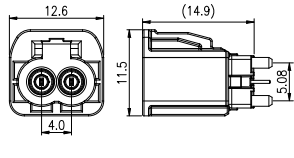
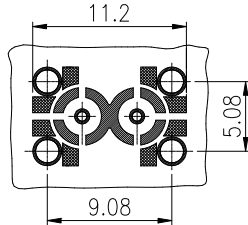
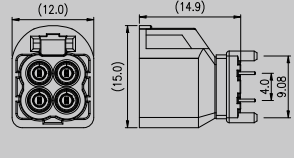
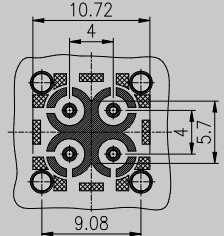
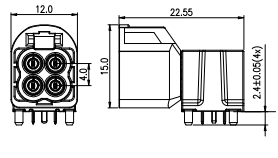
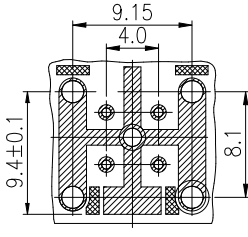
如有需求,可提供特定的编码。塑料外壳的颜色按照所列的 RAL 颜色标准确定。
由于生产过程中的差异,可能会出现细微的颜色差别。

MINI FAKRA颜色扣位(Quad)/MINI FAKRA color buckle (Quad)

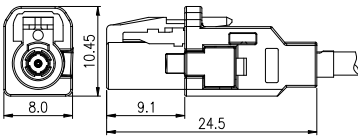
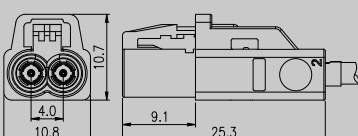
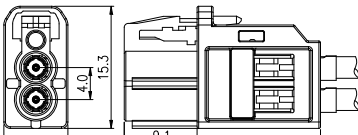
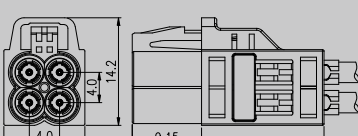
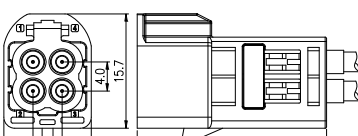
扣位 Buckle position	公头 male	母头 Female	颜色/RAL色码 Color/RAL color code
A			Black/9005 
B			White/ 9010 
C			Blue/ 5012 
D			Bordeauxviolet / 4004 
E			Green/6017 
F			BroNn/8011 
G			Gray/7036 
Z (neutral coding)			Waterolue/ 5021 

如有需求,可提供特定的编码。塑料外壳的颜色按照所列的 RAL 颜色标准确定。
由于生产过程中的差异,可能会出现细微的颜色差别。

MINI FAKRA(R-MF)板端连接器/MINI FAKRA (R-MF) board-mount connector

产品图 Product picture	订货号 Order No.	编码 Coding	尺寸图 Scale diagram	印制板焊盘 PCB Layout
	805030-00-001	A~Z		
	805030-00-002	A~Z		
	805030-00-003	A~Z		
	805030-00-004	A~Z		
	805030-00-005	A~Z		
产品参数 Product Parameters	特性阻抗:50Ω 频率范围:DC-9GHz 机械寿命:≥25 Cycles 温度范围:-40℃ to +105℃ 回波损耗:≥20dB,DC to 3GHz , ≥14dB,2 to 6GHz , ≥11dB,3 to 9GHz			

MINI FAKRA(R-MF)线端连接器/MINI FAKRA (R-MF) cable-end connector

产品图 Product picture	订货号 Order No.	线材 Cable	编码 Coding	尺寸图 Scale diagram
	805030-00-006	RG174/Dacar462	A~Z	
	805030-00-007	RTK031/Dacar302		
	805030-00-008	RG174/Dacar462	A~Z	
	805030-00-009	RTK031/Dacar302		
	805030-00-010	RG174/Dacar462	A~Z	
	805030-00-011	RTK031/Dacar302		
	805030-00-012	RG174/Dacar462	A~Z	
	805030-00-013	RTK031/Dacar302		
	805030-00-014	RG174/Dacar462	A~Z	
	805030-00-015	RTK031/Dacar302		
产品参数 Product Parameters	特性阻抗:50Ω 频率范围:DC-9GHz 机械寿命:≥25 Cycles 温度范围:-40℃ to +105℃ 回波损耗:≥20dB,DC to 3GHz , ≥14dB,2 to 6GHz , ≥11dB,3 to 9GHz			

MINI FAKRA(R-MF) 线缆组件/MINI FAKRA(R-MF) Cable Assembly

A端 A-side	线材 Cable	B端 B-side
	RG174/Dacar462或同类线材	
	RTK031/Dacar302或同类线材	
	RG174/Dacar462或同类线材	
	RTK031/Dacar302或同类线材	
	RG174/Dacar462或同类线材	
	RTK031/Dacar302或同类线材	
	RG174/Dacar462或同类线材	
	RTK031/Dacar302或同类线材	
	RG174/Dacar462或同类线材	
	RTK031/Dacar302或同类线材	

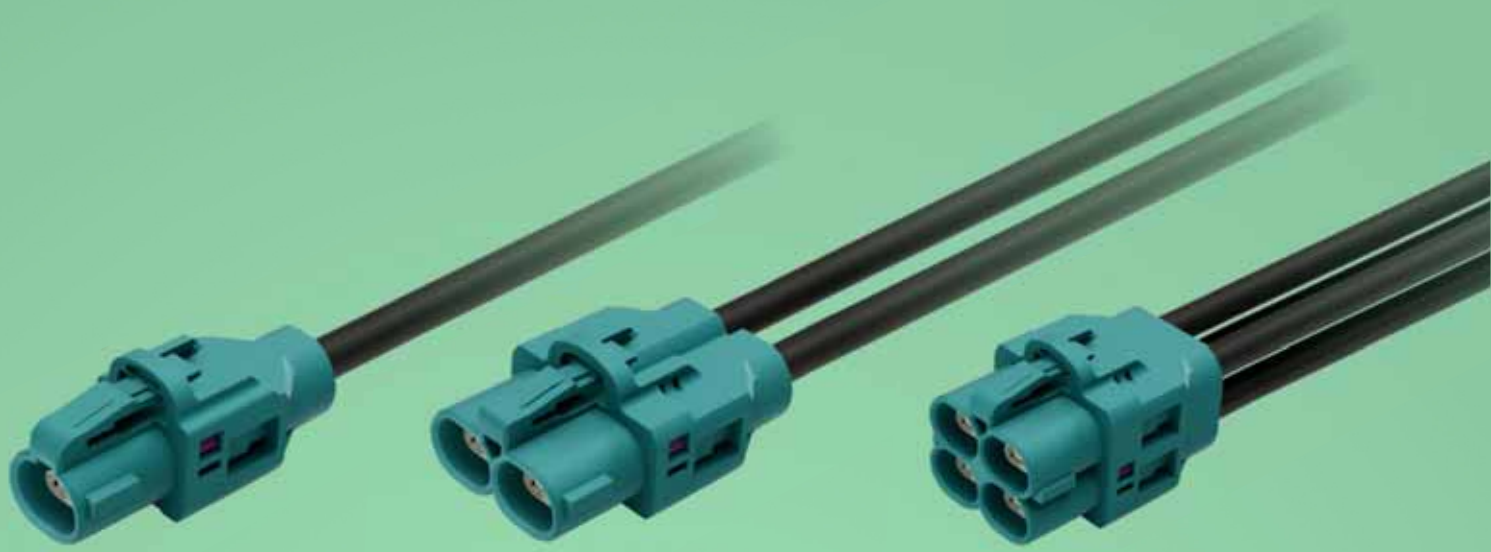
MINI FAKRA(R-MF) 线缆组件 (2)/MINI FAKRA(R-MF) Cable Assemblies (2)

A端 A-side	线材 Cable	B端 B-side
	RG174/Dacar462或同类线材	MINI FAKRA 母头(R-MF) 单腔
	RTK031/Dacar302或同类线材	
	RG174/Dacar462或同类线材	FAKRA 防水公头
	RTK031/Dacar302或同类线材	
	RG174/Dacar462或同类线材	FAKRA 防水母头
	RTK031/Dacar302或同类线材	

MINI FAKRA(R-MF) 线缆组件 (3)/MINI FAKRA(R-MF) Cable Assemblies (3)

A端 A-side	线材 Cable	B端 B-side
	RG174/Dacar462或同类线材	FAKRA 非防水公头
	RTK031/Dacar302或同类线材	
MINI FAKRA 母头(R-MF) 四腔		
	RG174/Dacar462或同类线材	FAKRA 非防水母头
	RTK031/Dacar302或同类线材	
MINI FAKRA 母头(R-MF) 四腔		
	RG174/Dacar462或同类线材	FAKRA 母弯头
	RTK031/Dacar302或同类线材	
MINI FAKRA 母头(R-MF) 四腔		

Ethernet connector



Ethernet Product Overview

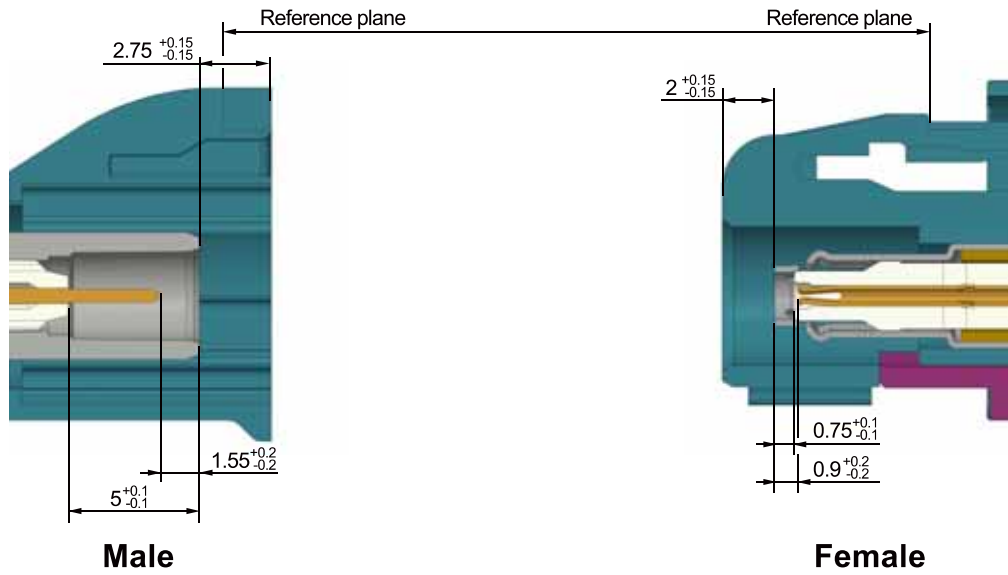
特征与优势

- 100欧姆特性阻抗差分双绞传输线, 适用于 STP、UTP 和 SPP 电缆
- 满足汽车行业车载以太网组网布线性能要求
- 单口多口模块化、小型化封装, 高可靠性快速连接
- 工作温度范围 -40°C to +105°C

产品应用

- 自动驾驶、高级驾驶辅助系统(ADAS)、导航、信息娱乐、后排娱乐、互联网与移动通信
- 域控制器之间连接、骨干网连接、以太网视频高速传输、远程信息处理系统、高分辨率显示器、激光雷达

以太网产品参数/Ethernet Product Parameters



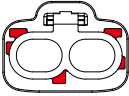
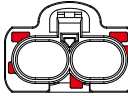
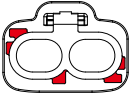
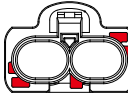
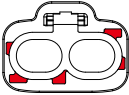
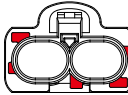
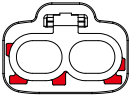
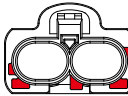
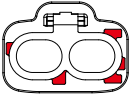
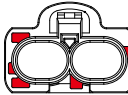
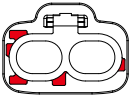
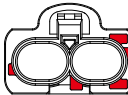
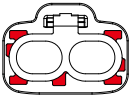
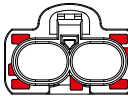
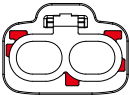
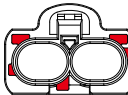
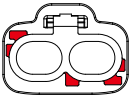
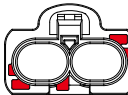
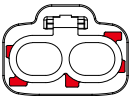
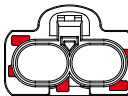
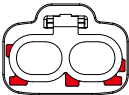
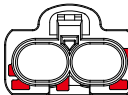
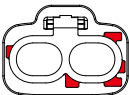
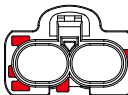
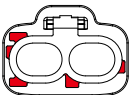
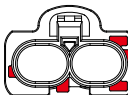
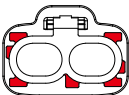
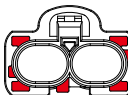
适用标准/Applicable standards	
符合标准/Comply with standards	IEE802.3.ch, TC9
电气参数/Electrical parameters	
特性阻抗/Characteristic impedance	100Ω
频率范围/Frequency range	DC to 4GHz
电压驻波比(VSWR)/Voltage Standing Wave Ratio (VSWR)	$\geq \begin{pmatrix} 25 & 1 \leq f < 1500 \\ 25-16.6 \log_{10} \left(\frac{f}{1500} \right) & 1500 \leq f < 3000 \\ 20 & 3000 \leq f < 4000 \end{pmatrix} \text{ dB}$
插入损耗(IL)/Insertion loss (IL)	$\leq 0.01 \sqrt{f} \text{ dB}$ $1 \leq f \leq 4000, \text{ frequency } f \text{ in MHz}$
工作电压/Operating voltage	$\leq 60 \text{ V DC}$
绝缘耐压/Insulation withstand voltage	$\leq 250 \text{ V DC}$
绝缘电阻/Insulation resistance	$\geq 100 \text{ M}\Omega$
机械参数/Mechanical parameters	
耐久性(标准, 不防水)/Durability (standard, not waterproof)	≥ 25
耐久性(防水)/Durability (waterproof)	$\leq 45 \text{ N}$
插入力(single)/Insertion Force (single)	$\geq 110 \text{ N}$

以太网颜色扣位(Single)/Ethernet color buckle (Single)

扣位 Buckle position	公头 male	母头 Female	颜色/RAL色码 Color/RAL color code
A			Jet black / 9005 
B			Pure white/ 9010 
C			Light blue / 5012 
D			Claret violet / 4004 
E			May green/ 8017 
F			Nut brown /8011 
G			Platinum grey / 7036 
H			Light pink / 3015 
J			Beige / 1001 
K			Cuy/1027 
L			Yellow green / 6018 
M			Pestel orange / 2003 
O (neutrel coding for coding G-M)			Light green / 6027 
Z (neutrel coding for coding A-F)			Water blue / 5021 

如有需求,可提供特定的编码。塑料外壳的颜色按照所列的 RAL 颜色标准确定。
由于生产过程中的差异,可能会出现细微的颜色差别。

以太网颜色扣位(Double)/Ethernet color buckle (Double)

扣位 Buckle position	公头 male	母头 Female	颜色/RAL色码 Color/RAL color code
A			Jet black / 9005 
B			Pure white/ 9010 
C			Light blue / 5012 
D			Claret wiolet / 4004 
E			May green/ 8017 
F			Nut brown /8011 
G			Platinum grey / 7036 
H			Light pirk / 3015 
J			Beige / 1001 
K			Cuy/1027 
L			Yeloww green / 6018 
M			Pestel orange / 2003 
O (neutrel coding for coding G-M)			Light green / 6027 
Z (neutrel coding for coÄing A-F)			Water blue / 5021 

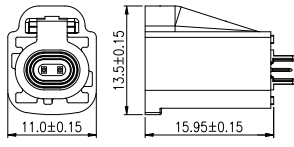
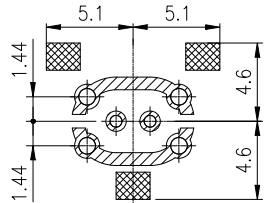
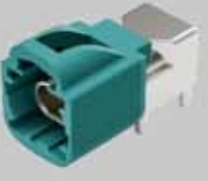
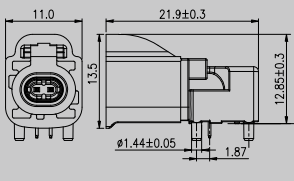
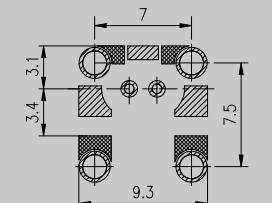
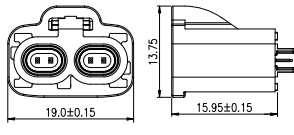
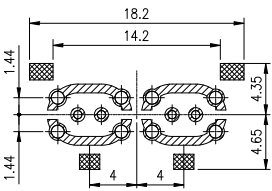
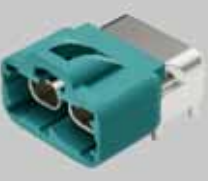
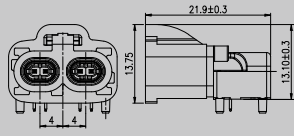
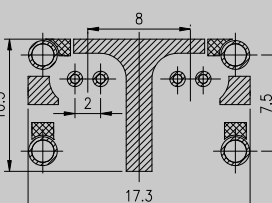
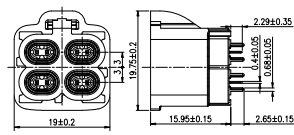
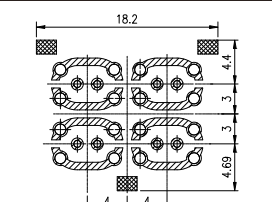
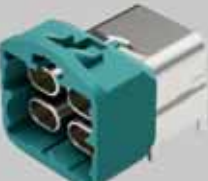
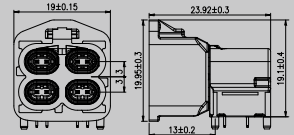
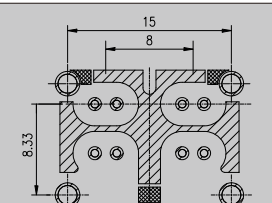
如有需求,可提供特定的编码。塑料外壳的颜色按照所列的 RAL 颜色标准确定。
由于生产过程中的差异,可能会出现细微的颜色差别。

以太网颜色扣位(Quad)/Ethernet color buckle (Quad)

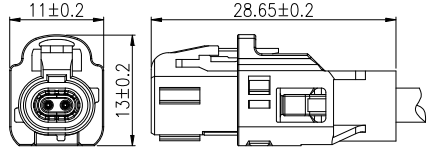
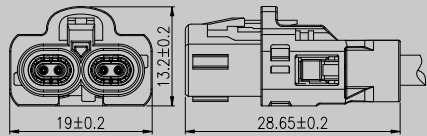
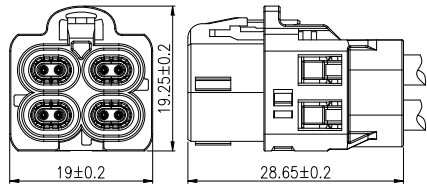
扣位 Buckle position	公头 male	母头 Female	颜色/RAL色码 Color/RAL color code
A			Jet black / 9005 
B			Pure white/ 9010 
C			Light blue / 5012 
D			Claret violet / 4004 
E			May green/ 8017 
F			Nut brown / 8011 
G			Platinum grey / 7036 
H			Light pink / 3015 
J			Beige / 1001 
K			Cuy/1027 
L			Yellow green / 6018 
M			Pestel orange / 2003 
O (neutrel coding for coding G-M)			Light green / 6027 
Z (neutrel coding for coÄing A-F)			Water blue / 5021 

如有需求,可提供特定的编码。塑料外壳的颜色按照所列的 RAL 颜色标准确定。
由于生产过程中的差异,可能会出现细微的颜色差别。

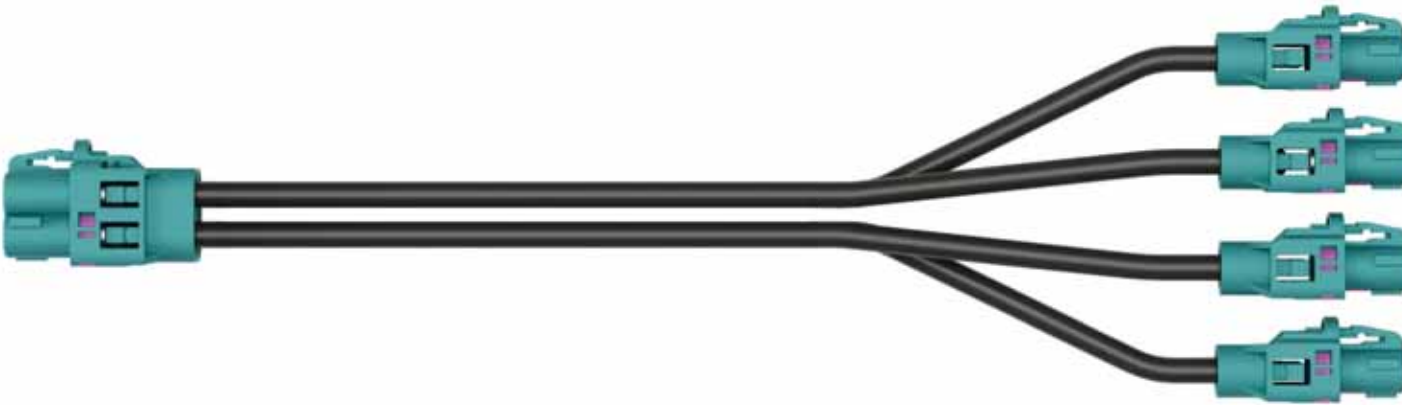
以太网(R-ETH)板端连接器/Ethernet (R-ETH) board connector

产品图 Product picture	订货号 Order No.	编码 Coding	尺寸图 Scale diagram	印制板焊盘 PCB Layout
	805040-00-001	A~Z		
	805040-00-002	A~Z		
	805040-00-003	A~Z		
	805040-00-004	A~Z		
	805040-00-005	A~Z		
	805040-00-006	A~Z		
产品参数 Product Parameters	特性阻抗:100Ω 频率范围:DC-4GHz 机械寿命:≥25 Cycles 温度范围:-40℃ to +105℃			
回波损耗: $\geq \begin{pmatrix} 25 & 1 \leq f < 1500 \\ 25-16.6 \log_{10} \left(\frac{f}{1500} \right) & 1500 \leq f < 3000 \\ 20 & 3000 \leq f < 4000 \end{pmatrix} \text{ dB}$				

以太网(R-ETH)线端连接器/Ethernet (R-ETH) line end connector

产品图 Product picture	订货号 Order No.	线材 Cable	尺寸图 Scale diagram
	805040-00-009	GG 2Speed® 251	
		LEONI Dacar® 686-3	
	805040-00-010	GG 2Speed® 251	
		LEONI Dacar® 686-3	
	805040-00-011	GG 2Speed® 251	
		LEONI Dacar® 686-3	
产品参数 Product Parameters	特性阻抗:100Ω		
	频率范围:DC-4GHz		
	机械寿命:≥25 Cycles		
	温度范围:-40℃ to +105℃		
		回波损耗: $\geq \begin{pmatrix} 25 & 1 \leq f < 1500 \\ 25-16.6 \log_{10} \left(\frac{f}{1500} \right) & 1500 \leq f < 3000 \\ 20 & 3000 \leq f < 4000 \end{pmatrix} \text{ dB}$	

以太网(R-ETH)线缆组件/Ethernet (R-ETH) cable assemblies

A端 A-side	线材 Cable	B端 B-side
 以太网 母头(R-ETH) 单腔	GG 2Speed® 251	 以太网 母头(R-ETH) 单腔
	LEONI Dacar® 686-3	
 以太网 母头(R-ETH) 双腔	GG 2Speed® 251	 以太网 母头(R-ETH) 双腔
	LEONI Dacar® 686-3	
 以太网 母头(R-ETH) 四腔	GG 2Speed® 251	 以太网 母头(R-ETH) 四腔
	LEONI Dacar® 686-3	
 以太网 母头(R-ETH) 四腔	GG 2Speed® 251	 以太网 母头(R-ETH) 单腔
	LEONI Dacar® 686-3	

RF Connectors



RF Connectors

1. 1.85mm Series

RF001-RF004

2. 2.4mm Series

RF005-RF013

3. 2.92mm Series

RF014-RF034

4. SMA Series

RF035-RF053

5. End Launch Connectors

RF054-RF060

6. Cable Assembly

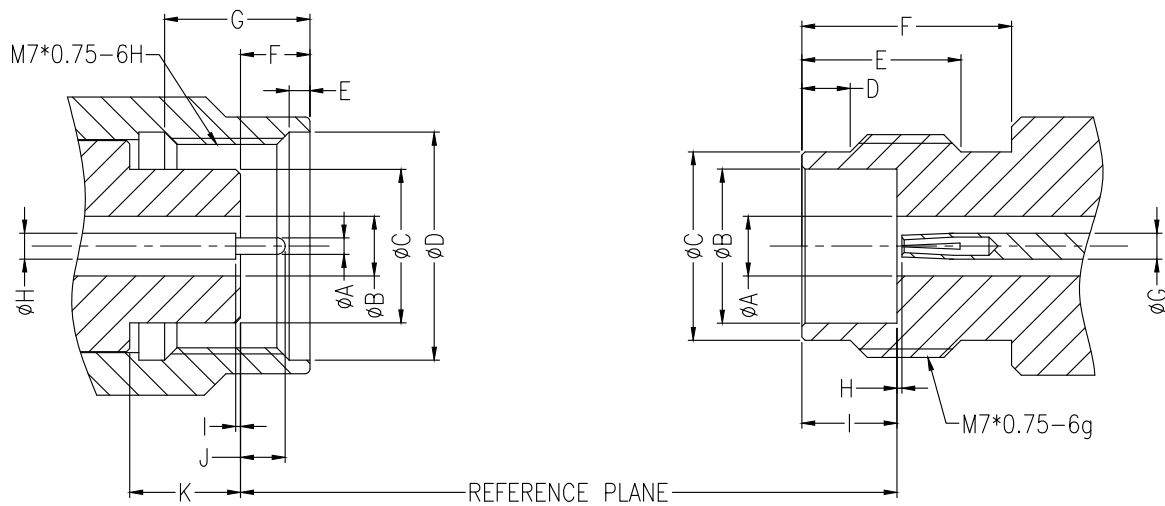
RF061~RF069

1.85mm Connector Series



1.85 mm 系列射频同轴连接器适用于高达 65 GHz 的微波应用领域。该连接器具有最佳的电气性能，良好的机械稳定性和极高的可靠性。其特别适合于半刚性、半柔性和柔性的微波电缆。1.85mm 系列可以与2.4 mm 系列互配。

The 1.85mm series rf coaxial connector is suitable for microwave applications up to 65 GHz.The connector has the best electrical properties, good machinery. Stability and high reliability.It is especially suitable for semi-rigid, semi-flexible and flexible microwave cables.1.85mm series can be compatible with 2.4 mm series.



界面尺寸 interface size	Male/插头		Female/插座	
	Minimum/最小	Maximum/最大	Minimum/最小	Maximum/最大
Letter/代号				
A	0.50(.0196)	0.52(.0205)	1.84(.0724)	1.86(.0732)
B	1.84(.0724)	1.86(.0732)	4.77(.1878)	4.795(.1887)
C	4.725(.1860)	4.75(.1870)	5.79(.2279)	5.89(.2319)
D	7.01(.2759)	7.11(.2799)	1.37(.0539)	1.63(.0641)
E	0.51(.0201)	0.77(.0303)	4.80(.1889)	5.06(.1992)
F	1.849(.0728)	2.449(.0964)	6.00(.2362)	—
G	4.37(.1720)	4.63(.1823)	0.80(.0315)	0.81(.0319)
H	0.80(.0315)	0.81(.0319)	0	0.076(.003)
I	0	0.076(.003)	3.00(.1181)	3.10(.1220)
J	1.335(.0525)	1.445(.0569)		
K	3.38(.1331)	3.48(.1370)		

Specification/技术参数	
Impedance/特性阻抗	50 ohm
Frequency range/频率范围	DC to 67 GHz
Dielectric withstanding voltage/介质耐压	> 500 V
Center contact resistance/中心接触电阻	<4.0mΩ
Outer contact resistance/外接触电阻	<2.5mΩ
Insulation resistance/绝缘电阻	> 5000MΩ
VSWR/电压驻波比	<1.30
Durability/耐久性	> 500 cycles
Temperature range/温度范围	-40°C to +85°C
Interface standard/界面符合标准	IEC 61169-32

1.85mm Connector Series

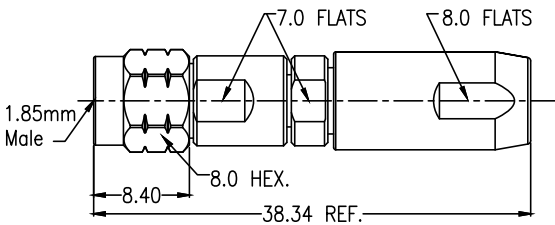


Male connector

Product figure



Scale diagram



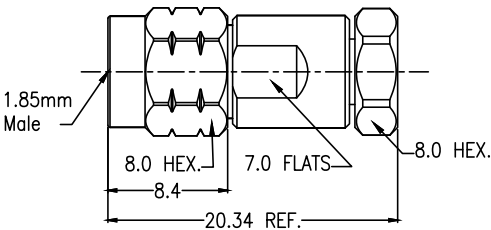
Specification/技术参数		Materials and plating/材质与电镀	
Impedance/特性阻抗	50 ohm	Body : Stainless steel/不锈钢	Passivation/钝化
Frequency range/频率范围	DC to 67 GHz	Contact pin : Beryllium copper	Plating 50u" gold
VSWR/电压驻波比	<1.30	Insulator : ULTEM 1000/PEI	N/A
Durability/耐久性	>500 cycles		
Temperature range/温度范围	-55°C to +125°C		
Order No/订货号			
805000-00-096			

Male connector

Product figure



Scale diagram



Specification/技术参数		Materials and plating/材质与电镀	
Impedance/特性阻抗	50 ohm	Body : Stainless steel/不锈钢	Passivation/钝化
Frequency range/频率范围	DC to 67 GHz	Contact pin : Beryllium copper	Plating 30u" gold
VSWR/电压驻波比	<1.35	Insulator : ULTEM 1000/PEI	N/A
Durability/耐久性	>500 cycles		
Temperature range/温度范围	-55°C to +125°C		
Order No/订货号			
805000-00-097			

1.85mm Connector Series

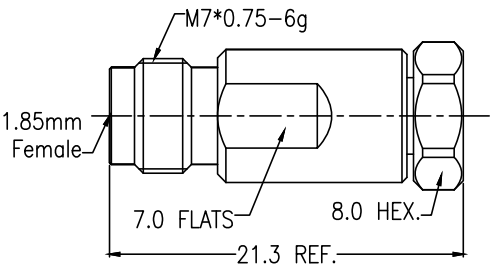


Female connector

Product figure



Scale diagram



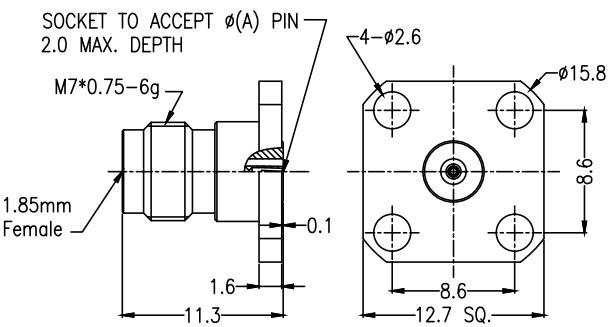
Specification/技术参数		Materials and plating/材质与电镀	
Impedance/特性阻抗	50 ohm	Body : Stainless steel/不锈钢	Passivation/钝化
Frequency range/频率范围	DC to 67 GHz	Contact pin : Beryllium copper	Plating 30u" gold
VSWR/电压驻波比	<1.35	Insulator : ULTEM 1000/PEI	N/A
Durability/耐久性	>500 cycles		
Temperature range/温度范围	-55°C to +125°C		
Order No/订货号			
805000-00-098			

Female connector

Product figure



Scale diagram



Specification/技术参数		Materials and plating/材质与电镀	
Impedance/特性阻抗	50 ohm	Body : Stainless steel/不锈钢	Passivation/钝化
Frequency range/频率范围	DC to 65 GHz	Contact pin : Beryllium copper	Plating 30u" gold
VSWR/电压驻波比	<1.30	Insulator : ULTEM 1000/PEI	N/A
Durability/耐久性	>500 cycles		
Temperature range/温度范围	-55°C to +125°C		
Order No/订货号	diameter Ø(A)		
805000-00-181	0.23mm		
805000-00-182	0.30mm		

1.85mm Connector Series

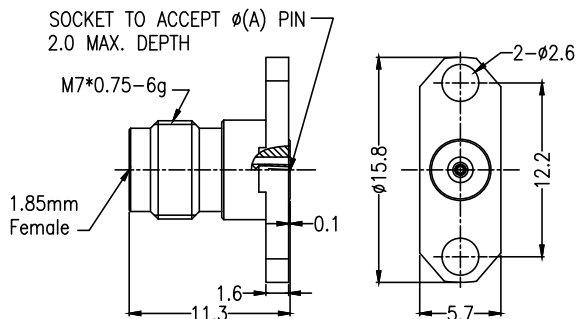


Female connector

Product figure



Scale diagram



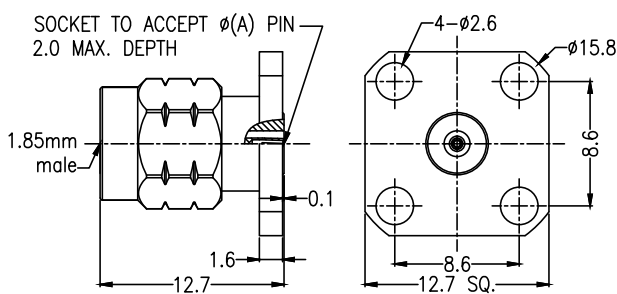
Specification/技术参数		Materials and plating/材质与电镀	
Impedance/特性阻抗	50 ohm	Body : Stainless steel/不锈钢	Passivation/钝化
Frequency range/频率范围	DC to 65 GHz	Contact pin : Beryllium copper	Plating 30u" gold
VSWR/电压驻波比	<1.30	Insulator : ULTEM 1000/PEI	N/A
Durability/耐久性	>500 cycles		
Temperature range/温度范围	-55°C to +125°C		
Order No/订货号	diameter $\phi(A)$		
805000-00-183	0.23mm		
805000-00-184	0.30mm		

Male connector

Product figure



Scale diagram

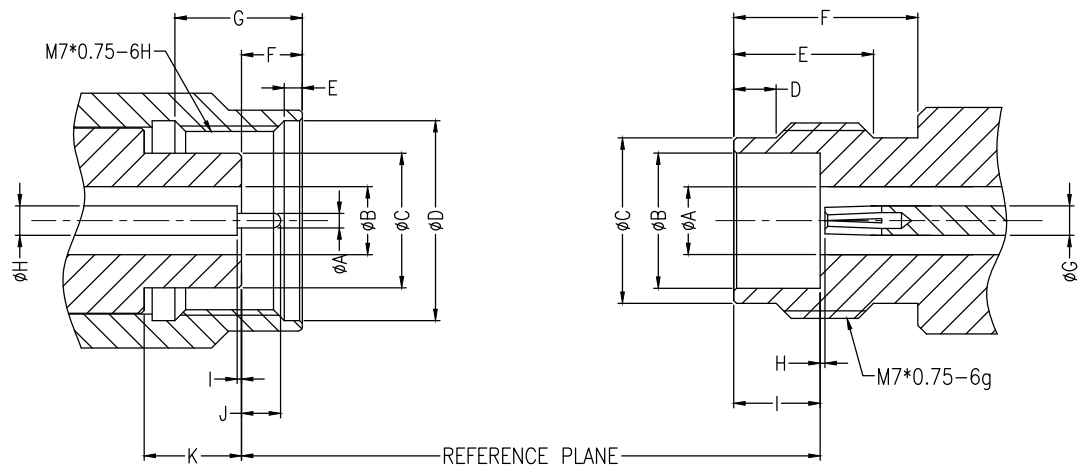


Specification/技术参数		Materials and plating/材质与电镀	
Impedance/特性阻抗	50 ohm	Body : Stainless steel/不锈钢	Passivation/钝化
Frequency range/频率范围	DC to 65 GHz	Contact pin : Beryllium copper	Plating 30u" gold
VSWR/电压驻波比	<1.30	Insulator : ULTEM 1000/PEI	N/A
Durability/耐久性	>500 cycles		
Temperature range/温度范围	-55°C to +125°C		
Order No/订货号	diameter $\phi(A)$		
805000-00-663	0.23mm		
805000-00-664	0.30mm		

2.40mm Connector Series

2.4mm 系列射频同轴连接器，频率可达50GHz，是毫米波产品常用的一类连接器，很多 毫米波仪器常采用2.4mm 输入输出口。2.4mm 产品成熟，结构上更为结实可靠。

2.4mm series rf coaxial connectors, with a frequency of up to 50GHz, are a type of connector commonly used in millimeter-wave products, and many millimeter-wave instruments are often exported with 2.4mm input.2.4mm products mature, sturdier and more reliable in structure.



界面尺寸 interface size	Male/插头		Female/插座	
	Minimum/最小	Maximum/最大	Minimum/最小	Maximum/最大
Letter/代号				
A	0.50(.0196)	0.52(.0205)	2.39(.0941)	2.41(.0949)
B	2.39(.0941)	2.41(.0949)	4.77(.1878)	4.795(.1887)
C	4.725(.1860)	4.75(.1870)	5.79(.2279)	5.89(.2319)
D	7.01(.2759)	7.11(.2799)	1.37(.0539)	1.63(.0641)
E	0.51(.0201)	0.77(.0303)	4.80(.1889)	5.06(.1992)
F	1.849(.0728)	2.449(.0964)	6.00(.2362)	—
G	4.37(.1720)	4.63(.1823)	1.03(.0405)	1.05(.0413)
H	1.03(.0405)	1.05(.0413)	0	0.076(.003)
I	0	0.076(.003)	3.00(.1181)	3.10(.1220)
J	1.335(.0525)	1.445(.0569)		
K	3.38(.1331)	3.48(.1370)		

Specification/技术参数	
Impedance/特性阻抗	50 ohm
Frequency range/频率范围	DC to 50 GHz
Dielectric withstanding voltage/介质耐压	> 500 V
Center contact resistance/中心接触电阻	<4.0mΩ
Outer contact resistance/外接触电阻	<2.5mΩ
Insulation resistance/绝缘电阻	>5000MΩ
VSWR/电压驻波比	<1.30
Durability/耐久性	>500 cycles
Temperature range/温度范围	-40°C to +85°C
Interface standard/界面符合标准	IEC 61169-40

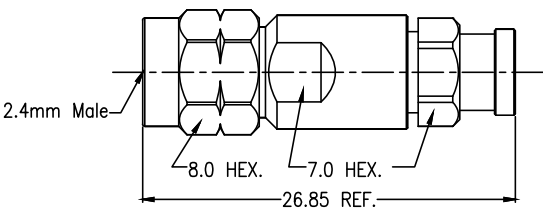
2.40mm Connector Series

Male connector

Product figure



Scale diagram



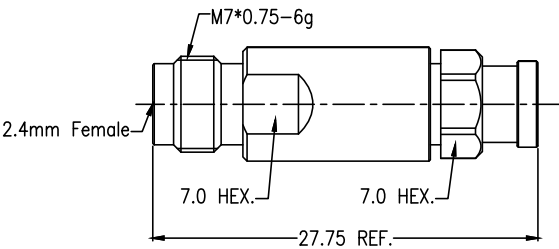
Specification/技术参数		Materials and plating/材质与电镀	
Impedance/特性阻抗	50 ohm	Body : Stainless steel/不锈钢	Passivation/钝化
Frequency range/频率范围	DC to 50 GHz	Contact pin : Beryllium copper	Plating 30u" gold
VSWR/电压驻波比	<1.30	Insulator : ULTEM 1000/PEI	N/A
Durability/耐久性	>500 cycles		
Temperature range/温度范围	-55°C to +125°C		
Order No/订货号			
805000-00-311			

Female connector

Product figure



Scale diagram



Specification/技术参数		Materials and plating/材质与电镀	
Impedance/特性阻抗	50 ohm	Body : Stainless steel/不锈钢	Passivation/钝化
Frequency range/频率范围	DC to 50 GHz	Contact pin : Beryllium copper	Plating 30u" gold
VSWR/电压驻波比	<1.30	Insulator : ULTEM 1000/PEI	N/A
Durability/耐久性	>500 cycles		
Temperature range/温度范围	-55°C to +125°C		
Order No/订货号			
805000-00-312			

2.40mm Connector Series

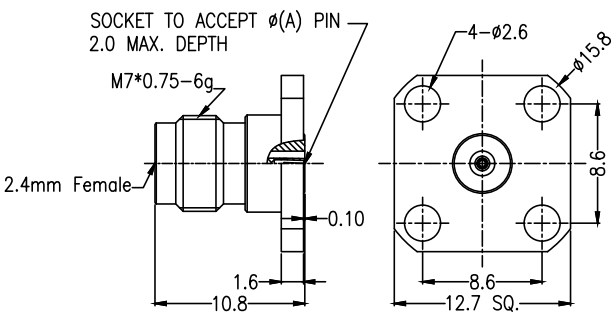


Female connector

Product figure



Scale diagram



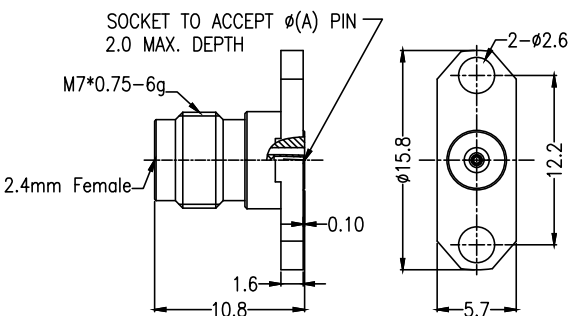
Specification/技术参数		Materials and plating/材质与电镀	
Impedance/特性阻抗	50 ohm	Body : Stainless steel/不锈钢	Passivation/钝化
Frequency range/频率范围	DC to 50 GHz	Contact pin : Beryllium copper	Plating 30u" gold
VSWR/电压驻波比	<1.30	Insulator : ULTEM 1000/PEI	N/A
Durability/耐久性	>500 cycles		
Temperature range/温度范围	-55°C to +125°C		
Order No/订货号	diameter $\varnothing(A)$		
805000-00-185	0.23mm		
805000-00-186	0.30mm		
805000-00-187	0.51mm		

Female connector

Product figure



Scale diagram



Specification/技术参数		Materials and plating/材质与电镀	
Impedance/特性阻抗	50 ohm	Body : Stainless steel/不锈钢	Passivation/钝化
Frequency range/频率范围	DC to 50 GHz	Contact pin : Beryllium copper	Plating 30u" gold
VSWR/电压驻波比	<1.30	Insulator : ULTEM 1000/PEI	N/A
Durability/耐久性	>500 cycles		
Temperature range/温度范围	-55°C to +125°C		
Order No/订货号	diameter $\varnothing(A)$		
805000-00-188	0.23mm		
805000-00-189	0.30mm		
805000-00-190	0.51mm		

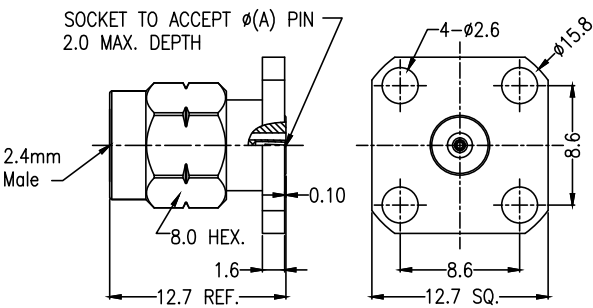
2.40mm Connector Series

Male connector

Product figure



Scale diagram



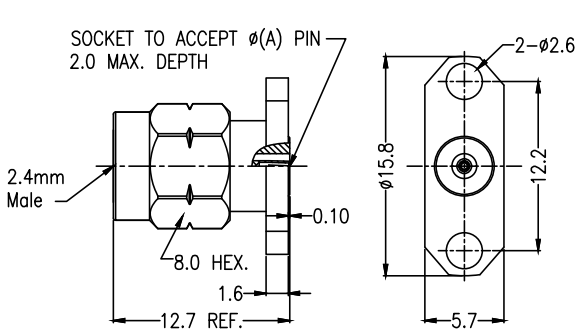
Specification/技术参数		Materials and plating/材质与电镀	
Impedance/特性阻抗	50 ohm	Body : Stainless steel/不锈钢	Passivation/钝化
Frequency range/频率范围	DC to 50 GHz	Contact pin : Beryllium copper	Plating 30u" gold
VSWR/电压驻波比	<1.30	Insulator : ULTEM 1000/PEI	N/A
Durability/耐久性	>500 cycles		
Temperature range/温度范围	-55°C to +125°C		
Order No/订货号	diameter Ø(A)		
805000-00-191	0.23mm		
805000-00-192	0.30mm		
805000-00-193	0.51mm		

Male connector

Product figure



Scale diagram



Specification/技术参数		Materials and plating/材质与电镀	
Impedance/特性阻抗	50 ohm	Body : Stainless steel/不锈钢	Passivation/钝化
Frequency range/频率范围	DC to 50 GHz	Contact pin : Beryllium copper	Plating 30u" gold
VSWR/电压驻波比	<1.30	Insulator : ULTEM 1000/PEI	N/A
Durability/耐久性	>500 cycles		
Temperature range/温度范围	-55°C to +125°C		
Order No/订货号	diameter Ø(A)		
805000-00-194	0.23mm		
805000-00-195	0.30mm		
805000-00-196	0.51mm		

2.40mm Connector Series

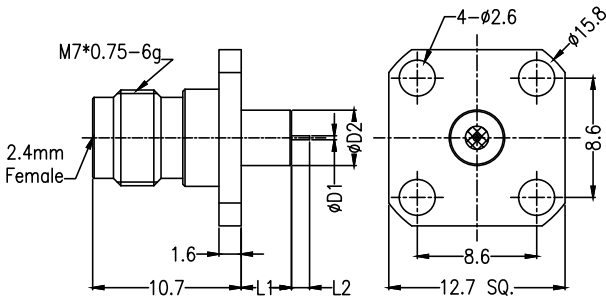


Female connector

Product figure



Scale diagram



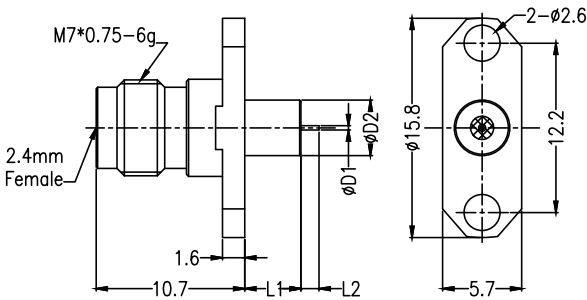
Specification/技术参数		Materials and plating/材质与电镀		
Impedance/特性阻抗	50 ohm	Body : Stainless steel/不锈钢	Passivation/钝化	
Frequency range/频率范围	DC to 50 GHz	Contact pin : Beryllium copper	Plating 30u" gold	
VSWR/电压驻波比	<1.30	Insulator : PEI / PTFE	N/A	
Durability/耐久性	>500 cycles			
Temperature range/温度范围	-55°C to +125°C			
Order No/订货号	ØD1	ØD2	L1	L2
805000-00-197	0.30mm	4.00mm	1.40mm	1.50mm
805000-00-198	0.30mm	4.00mm	3.00mm	1.50mm

Female connector

Product figure



Scale diagram



Specification/技术参数		Materials and plating/材质与电镀		
Impedance/特性阻抗	50 ohm	Body : Stainless steel/不锈钢	Passivation/钝化	
Frequency range/频率范围	DC to 50 GHz	Contact pin : Beryllium copper	Plating 30u" gold	
VSWR/电压驻波比	<1.30	Insulator : PEI / PTFE	N/A	
Durability/耐久性	>500 cycles			
Temperature range/温度范围	-55°C to +125°C			
Order No/订货号	ØD1	ØD2	L1	L2
805000-00-199	0.30mm	4.00mm	1.40mm	1.50mm
805000-00-200	0.30mm	4.00mm	3.00mm	1.50mm

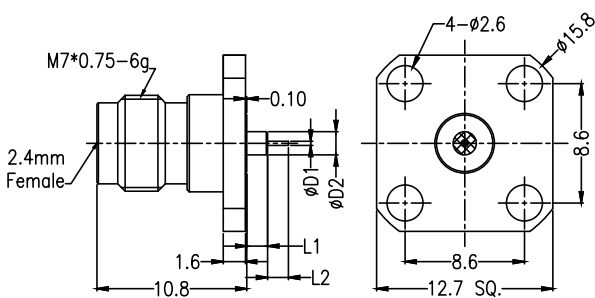
2.40mm Connector Series

Female connector

Product figure



Scale diagram



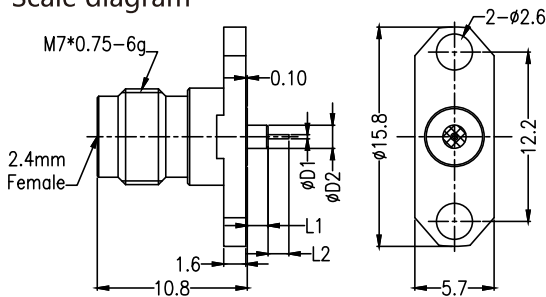
Specification/技术参数		Materials and plating/材质与电镀		
Impedance/特性阻抗	50 ohm	Body : Stainless steel/不锈钢	Passivation/钝化	
Frequency range/频率范围	DC to 50 GHz	Contact pin : Beryllium copper	Plating 30u" gold	
VSWR/电压驻波比	<1.30	Insulator : PEI / PTFE	N/A	
Durability/耐久性	>500 cycles			
Temperature range/温度范围	-55°C to +125°C			
Order No/订货号	ØD1	ØD2	L1	L2
805000-00-201	0.30mm	1.67mm	1.40mm	1.50mm
805000-00-202	0.30mm	1.67mm	3.00mm	1.50mm
805000-00-203	0.60mm	2.00mm	6.35mm	1.27mm
805000-00-204	0.60mm	2.00mm	5.10mm	1.90mm

Female connector

Product figure



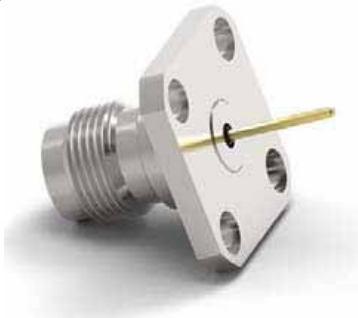
Scale diagram



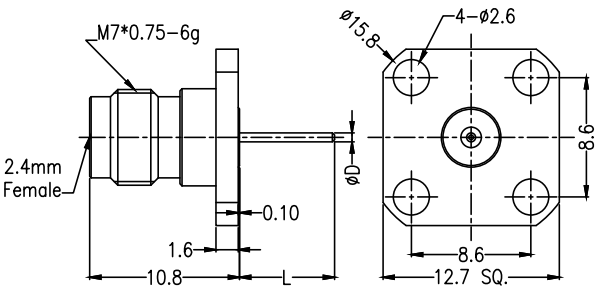
Specification/技术参数		Materials and plating/材质与电镀		
Impedance/特性阻抗	50 ohm	Body : Stainless steel/不锈钢	Passivation/钝化	
Frequency range/频率范围	DC to 50 GHz	Contact pin : Beryllium copper	Plating 30u" gold	
VSWR/电压驻波比	<1.30	Insulator : PEI / PTFE	N/A	
Durability/耐久性	>500 cycles			
Temperature range/温度范围	-55°C to +125°C			
Order No/订货号	ØD1	ØD2	L1	L2
805000-00-205	0.30mm	1.67mm	1.40mm	1.50mm
805000-00-206	0.30mm	1.67mm	3.00mm	1.50mm
805000-00-207	0.60mm	2.00mm	6.35mm	1.27mm
805000-00-208	0.60mm	2.00mm	5.10mm	1.90mm

Female connector

Product figure



Scale diagram



Specification/技术参数		Materials and plating/材质与电镀	
Impedance/特性阻抗	50 ohm	Body : Stainless steel/不锈钢	Passivation/钝化
Frequency range/频率范围	DC to 50 GHz	Contact pin : Beryllium copper	Plating 30u" gold
VSWR/电压驻波比	<1.30	Insulator : ULTEM 1000/PEI	N/A
Durability/耐久性	>500 cycles		
Temperature range/温度范围	-55°C to +125°C		
Order No/订货号	ØD1	L1	
805000-00-209	1.20mm	3.00mm	
805000-00-210	1.04mm	6.34mm	
805000-00-211	1.00mm	5.50mm	
805000-00-212	0.86mm	8.75mm	
805000-00-213	0.75mm	9.00mm	
805000-00-214	0.64mm	6.84mm	
805000-00-215	0.64mm	10.0mm	

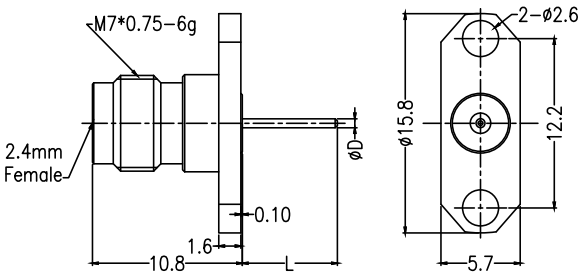
2.40mm Connector Series

Female connector

Product figure



Scale diagram



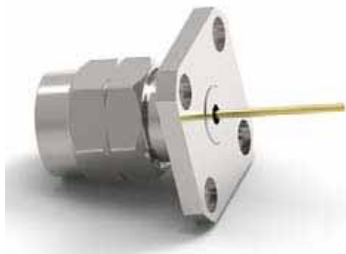
Specification/技术参数		Materials and plating/材质与电镀	
Impedance/特性阻抗	50 ohm	Body : Stainless steel/不锈钢	Passivation/钝化
Frequency range/频率范围	DC to 50 GHz	Contact pin : Beryllium copper	Plating 30u" gold
VSWR/电压驻波比	<1.30	Insulator : ULTEM 1000/PEI	N/A
Durability/耐久性	>500 cycles		
Temperature range/温度范围	-55°C to +125°C		
Order No/订货号	ØD1	L1	
805000-00-216	1.20mm	3.00mm	
805000-00-217	1.04mm	6.34mm	
805000-00-218	1.00mm	5.50mm	
805000-00-219	0.86mm	8.75mm	
805000-00-220	0.75mm	9.00mm	
805000-00-221	0.64mm	6.84mm	
805000-00-222	0.64mm	10.0mm	

2.40mm Connector Series

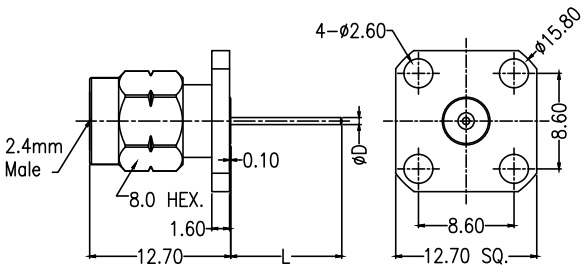


Male connector

Product figure



Scale diagram



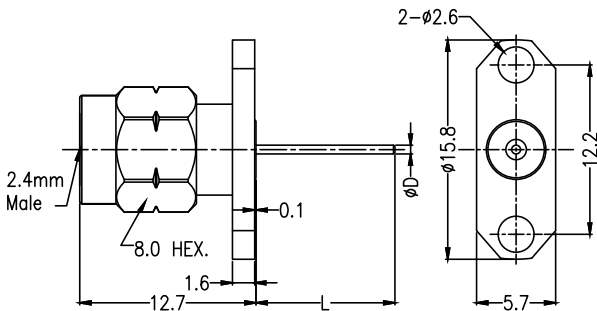
Specification/技术参数		Materials and plating/材质与电镀	
Impedance/特性阻抗	50 ohm	Body : Stainless steel/不锈钢	Passivation/钝化
Frequency range/频率范围	DC to 50 GHz	Contact pin : Beryllium copper	Plating 30u" gold
VSWR/电压驻波比	<1.30	Insulator : ULTEM 1000/PEI	N/A
Durability/耐久性	>500 cycles		
Temperature range/温度范围	-55°C to +125°C		
Order No/订货号	ØD1	L1	
805000-00-223	0.86mm	8.75mm	
805000-00-224	0.64mm	10.0mm	

Male connector

Product figure



Scale diagram

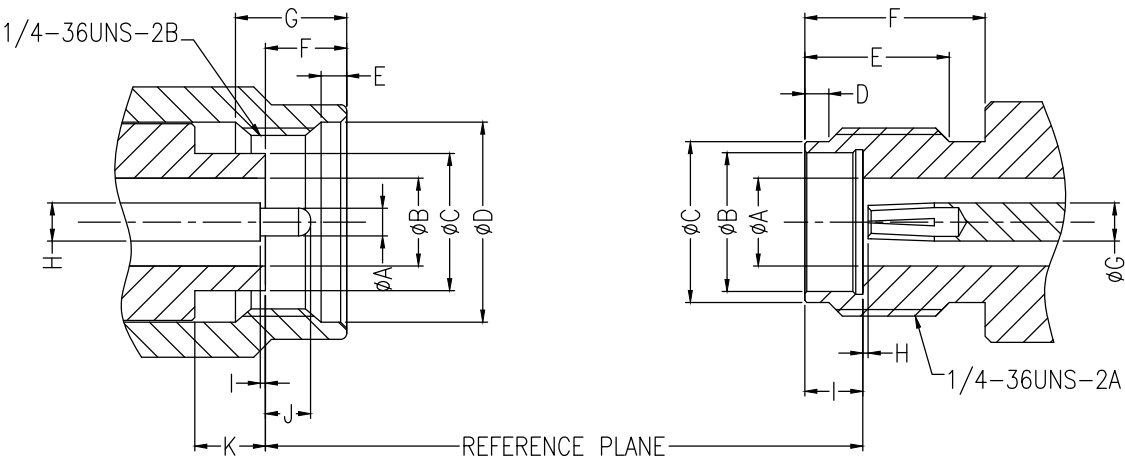


Specification/技术参数		Materials and plating/材质与电镀	
Impedance/特性阻抗	50 ohm	Body : Stainless steel/不锈钢	Passivation/钝化
Frequency range/频率范围	DC to 50 GHz	Contact pin : Beryllium copper	Plating 30u" gold
VSWR/电压驻波比	<1.30	Insulator : ULTEM 1000/PEI	N/A
Durability/耐久性	>500 cycles		
Temperature range/温度范围	-55°C to +125°C		
Order No/订货号	ØD1	L1	
805000-00-225	0.86mm	8.75mm	
805000-00-226	0.64mm	10.0mm	

2.92mm Connector Series

2.92mm 系列射频同轴连接器，适用于高达 40 GHz 的微波应用领域，工作频率最高可达46GHz，覆盖了整个8mm 频段。它们可以与 SMA 和 PC 3.5 系列产品匹配使用，具有高机械稳定性和出色的可重复性。

2.92mm series rf coaxial connectors are suitable for microwave applications up to 40 GHz. The working frequency can reach up to 46GHz, covering the entire 8mm.Frequency band.They can be used in combination with SMA and PC 3.5, with high mechanical stability and excellent repeatability.



界面尺寸 interface size	Male/插头		Female/插座	
	Minimum/最小	Maximum/最大	Minimum/最小	Maximum/最大
Letter/代号				
A	0.90(.0354)	0.93(.0366)	2.90(.1141)	2.94(.1157)
B	2.90(.1141)	2.94(.1157)	4.59(.1807)	4.63(.1823)
C	4.54(.1787)	4.58(.1803)	5.28(.208)	5.46(.2149)
D	6.38(.2512)	6.73(.2649)	0.38(.0149)	1.14(.0449)
E	0.38(.0149)	1.14(.0449)	3.73(.1468)	5.76(.2268)
F	2.36(.0929)	3.56(.1401)	5.54(.2181)	—
G	3.43(.1350)	4.01(.1578)	1.26(.0496)	1.28(.0504)
H	1.26(.0496)	1.28(.0504)	0	0.076(.003)
I	0	0.076(.003)	1.88(.0740)	1.98(.0779)
J	1.39(.0547)	1.65(.0649)		
K	2.29(.0901)	—		

Specification/技术参数	
Impedance/特性阻抗	50 ohm
Frequency range/频率范围	DC to 40 GHz
Dielectric withstanding voltage/介质耐压	> 750 V
Center contact resistance/中心接触电阻	<3.0mΩ
Outer contact resistance/外接触电阻	<2.0mΩ
Insulation resistance/绝缘电阻	>5000MΩ
VSWR/电压驻波比	<1.30
Durability/耐久性	>500 cycles
Temperature range/温度范围	-40°C to +85°C
Interface standard/界面符合标准	IEC 61169-35

2.92mm Connector Series

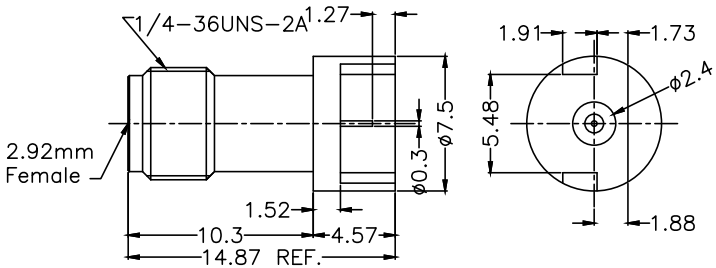


Female connector

Product figure



Scale diagram



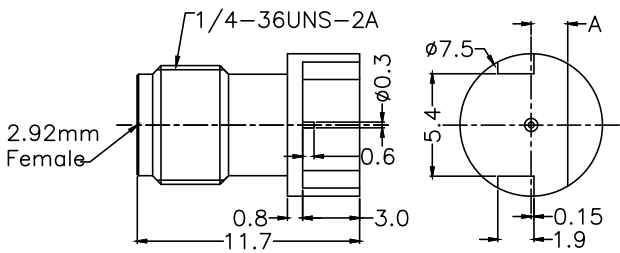
Specification/技术参数		Materials and plating/材质与电镀	
Impedance/特性阻抗	50 ohm	Body : Stainless steel/不锈钢	Plating 10u" gold/镀金 10u"
Frequency range/频率范围	DC to 40 GHz	Contact pin : Beryllium copper	Plating 30u" gold/镀金 30u"
VSWR/电压驻波比	<1.25	Insulator : ULTEM 1000/PEI	N/A
Durability/耐久性	>500 cycles		
Temperature range/温度范围	-55°C to +125°C		
Order No/订货号	PCB Thickness/PCB板厚度		
805000-00-337	1.73mm		

Female connector

Product figure



Scale diagram



Specification/技术参数		Materials and plating/材质与电镀	
Impedance/特性阻抗	50 ohm	Body : BRASS C3604/黄铜	Plating 10u" gold/镀金 10u"
Frequency range/频率范围	DC to 40 GHz	Contact pin : Beryllium copper	Plating 30u" gold/镀金 30u"
VSWR/电压驻波比	<1.30	Insulator : PTFE/PEI	N/A
Durability/耐久性	>500 cycles		
Temperature range/温度范围	-55°C to +125°C		
Order No/订货号	A	PCB Thickness/PCB板厚度	
805000-00-151	0.76mm	0.61mm	
805000-00-152	1.02mm	0.87mm	
805000-00-153	1.93mm	1.78mm	

2.92mm Connector Series

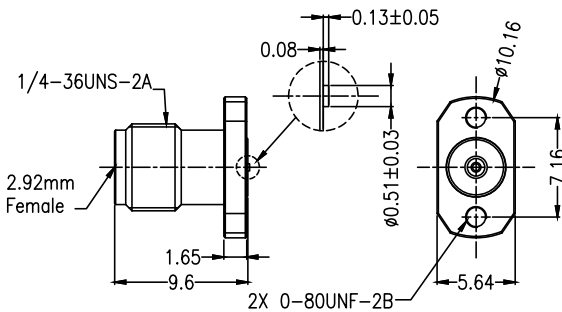


Female connector

Product figure



Scale diagram



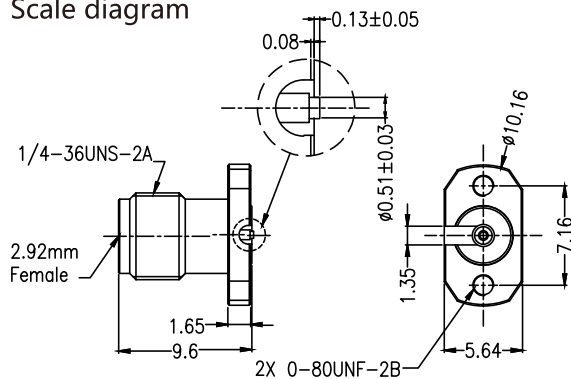
Specification/技术参数		Materials and plating/材质与电镀	
Impedance/特性阻抗	50 ohm	Body : Stainless steel/不锈钢	Passivation/钝化
Frequency range/频率范围	DC to 40 GHz	Contact pin : Beryllium copper	Plating 30u" gold/镀金 30u"
VSWR/电压驻波比	<1.25	Insulator : ULTEM 1000/PEI	N/A
Durability/耐久性	>500 cycles		
Temperature range/温度范围	-55°C to +125°C		
Order No/订货号			
805000-00-342			

Female connector

Product figure



Scale diagram



Specification/技术参数		Materials and plating/材质与电镀	
Impedance/特性阻抗	50 ohm	Body : Stainless steel/不锈钢	Passivation/钝化
Frequency range/频率范围	DC to 40 GHz	Contact pin : Beryllium copper	Plating 30u" gold/镀金 30u"
VSWR/电压驻波比	<1.30	Insulator : ULTEM 1000/PEI	N/A
Durability/耐久性	>500 cycles		
Temperature range/温度范围	-55°C to +125°C		
Order No/订货号			
805000-00-343			

2.92mm Connector Series

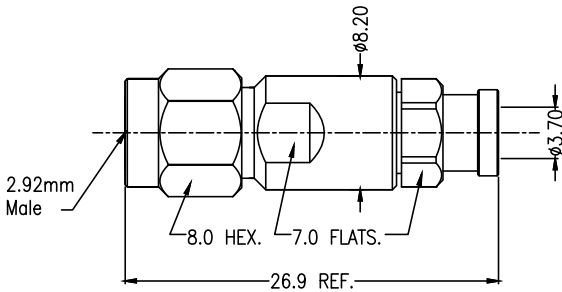


Male connector

Product figure



Scale diagram



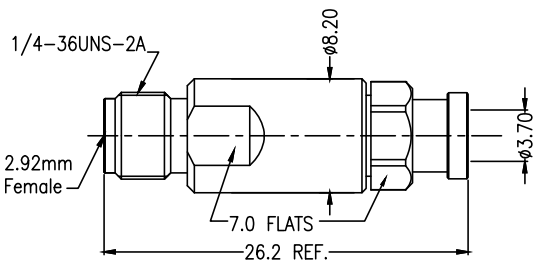
Specification/技术参数		Materials and plating/材质与电镀	
Impedance/特性阻抗	50 ohm	Body : Stainless steel/不锈钢	Passivation/钝化
Frequency range/频率范围	DC to 40 GHz	Contact pin : Beryllium copper	Plating 30u" gold/镀金 30u"
VSWR/电压驻波比	<1.30	Insulator : ULTEM 1000/PEI	N/A
Durability/耐久性	>500 cycles		
Temperature range/温度范围	-55°C to +125°C		
Order No/订货号	Apply cable/适用线缆		
805000-00-313	STA-142/UFB142A/GORE 3507/1401 Cable		

Female connector

Product figure



Scale diagram



Specification/技术参数		Materials and plating/材质与电镀	
Impedance/特性阻抗	50 ohm	Body : Stainless steel/不锈钢	Passivation/钝化
Frequency range/频率范围	DC to 40 GHz	Contact pin : Beryllium copper	Plating 30u" gold/镀金 30u"
VSWR/电压驻波比	<1.30	Insulator : ULTEM 1000/PEI	N/A
Durability/耐久性	>500 cycles		
Temperature range/温度范围	-55°C to +125°C		
Order No/订货号	Apply cable/适用线缆		
805000-00-314	STA-142/UFB142A/GORE 3507/1401 Cable		

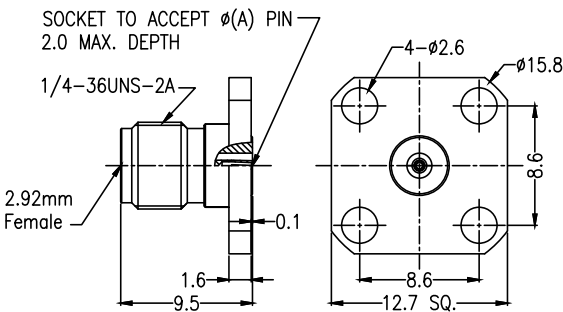
2.92mm Connector Series

Female connector (可拆卸式连接器)

Product figure



Scale diagram



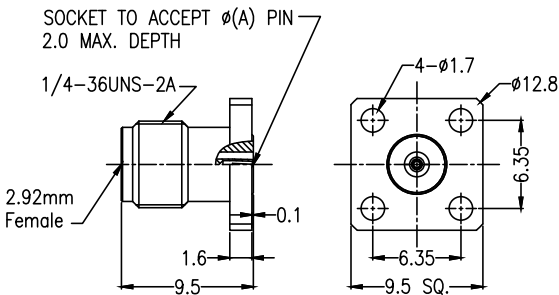
Specification/技术参数		Materials and plating/材质与电镀	
Impedance/特性阻抗	50 ohm	Body : Stainless steel/不锈钢	Passivation/钝化
Frequency range/频率范围	DC to 40 GHz	Contact pin : Beryllium copper	Plating 30u" gold
VSWR/电压驻波比	<1.30	Insulator : ULTEM 1000/PEI	N/A
Durability/耐久性	>500 cycles		
Temperature range/温度范围	-55°C to +125°C		
Order No/订货号	diameter $\varnothing(A)$		
805000-00-142	0.23mm		
805000-00-143	0.30mm		
805000-00-144	0.38mm		
805000-00-145	0.51mm		

Female connector (可拆卸式连接器)

Product figure



Scale diagram



Specification/技术参数		Materials and plating/材质与电镀	
Impedance/特性阻抗	50 ohm	Body : Stainless steel/不锈钢	Passivation/钝化
Frequency range/频率范围	DC to 40 GHz	Contact pin : Beryllium copper	Plating 30u" gold
VSWR/电压驻波比	<1.30	Insulator : ULTEM 1000/PEI	N/A
Durability/耐久性	>500 cycles		
Temperature range/温度范围	-55°C to +125°C		
Order No/订货号	diameter $\varnothing(A)$		
805000-00-146	0.23mm		
805000-00-147	0.30mm		
805000-00-148	0.38mm		
805000-00-149	0.51mm		

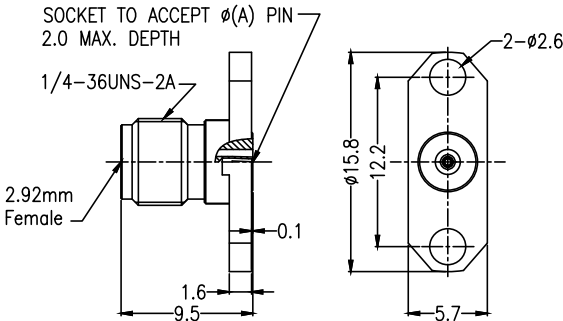
2.92mm Connector Series

Female connector (可拆卸式连接器)

Product figure



Scale diagram



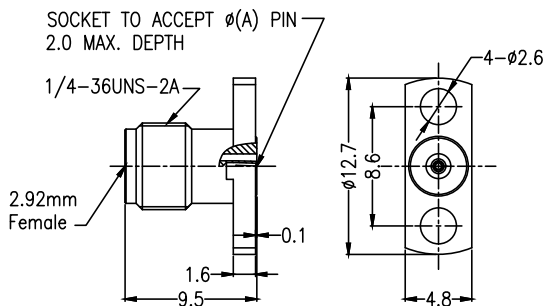
Specification/技术参数		Materials and plating/材质与电镀	
Impedance/特性阻抗	50 ohm	Body : Stainless steel/不锈钢	Passivation/钝化
Frequency range/频率范围	DC to 40 GHz	Contact pin : Beryllium copper	Plating 30u" gold
VSWR/电压驻波比	<1.30	Insulator : ULTEM 1000/PEI	N/A
Durability/耐久性	>500 cycles		
Temperature range/温度范围	-55°C to +125°C		
Order No/订货号	diameter Ø(A)		
805000-00-227	0.23mm		
805000-00-228	0.30mm		
805000-00-229	0.38mm		
805000-00-230	0.51mm		

Female connector (可拆卸式连接器)

Product figure



Scale diagram



Specification/技术参数		Materials and plating/材质与电镀	
Impedance/特性阻抗	50 ohm	Body : Stainless steel/不锈钢	Passivation/钝化
Frequency range/频率范围	DC to 40 GHz	Contact pin : Beryllium copper	Plating 30u" gold
VSWR/电压驻波比	<1.30	Insulator : ULTEM 1000/PEI	N/A
Durability/耐久性	>500 cycles		
Temperature range/温度范围	-55°C to +125°C		
Order No/订货号	diameter Ø(A)		
805000-00-498	0.23mm		
805000-00-499	0.30mm		
805000-00-500	0.38mm		
805000-00-501	0.51mm		

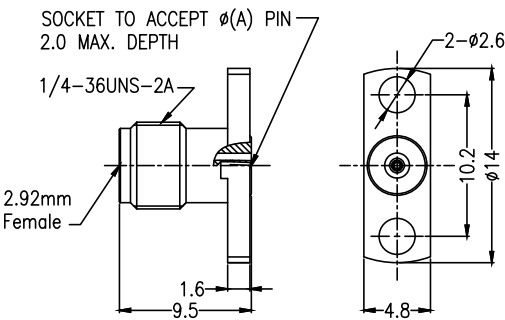
2.92mm Connector Series

Female connector (可拆卸式连接器)

Product figure



Scale diagram



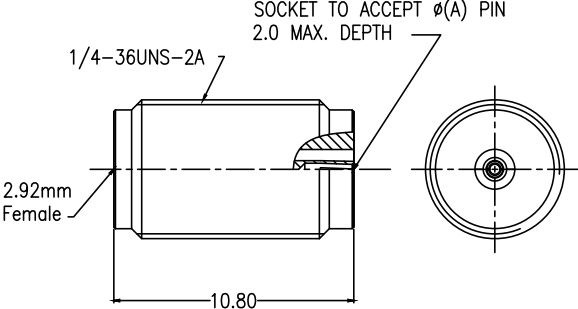
Specification/技术参数		Materials and plating/材质与电镀	
Impedance/特性阻抗	50 ohm	Body : Stainless steel/不锈钢	Passivation/钝化
Frequency range/频率范围	DC to 40 GHz	Contact pin : Beryllium copper	Plating 30u" gold
VSWR/电压驻波比	<1.30	Insulator : ULTEM 1000/PEI	N/A
Durability/耐久性	>500 cycles		
Temperature range/温度范围	-55°C to +125°C		
Order No/订货号	diameter Ø(A)		
805000-00-546	0.23mm		
805000-00-547	0.30mm		
805000-00-548	0.38mm		
805000-00-549	0.51mm		

Female connector (可拆卸式连接器)

Product figure



Scale diagram



Specification/技术参数		Materials and plating/材质与电镀	
Impedance/特性阻抗	50 ohm	Body : Stainless steel/不锈钢	Passivation/钝化
Frequency range/频率范围	DC to 40 GHz	Contact pin : Beryllium copper	Plating 30u" gold
VSWR/电压驻波比	<1.30	Insulator : ULTEM 1000/PEI	N/A
Durability/耐久性	>500 cycles		
Temperature range/温度范围	-55°C to +125°C		
Order No/订货号	diameter Ø(A)		
805000-00-502	0.23mm		
805000-00-503	0.30mm		
805000-00-504	0.38mm		
805000-00-505	0.51mm		

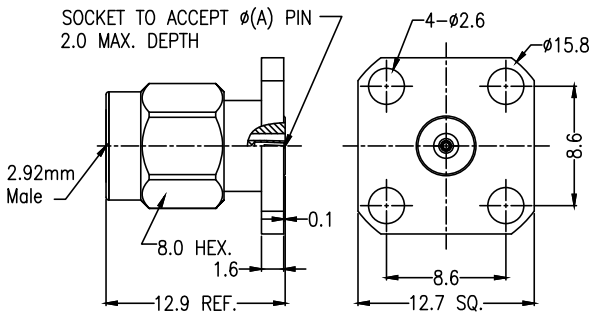
2.92mm Connector Series

Male connector (可拆卸式连接器)

Product figure



Scale diagram



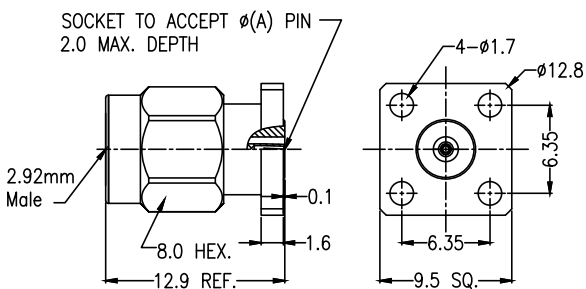
Specification/技术参数		Materials and plating/材质与电镀	
Impedance/特性阻抗	50 ohm	Body : Stainless steel/不锈钢	Passivation/钝化
Frequency range/频率范围	DC to 40 GHz	Contact pin : Beryllium copper	Plating 30u" gold
VSWR/电压驻波比	<1.30	Insulator : ULTEM 1000/PEI	N/A
Durability/耐久性	>500 cycles		
Temperature range/温度范围	-55°C to +125°C		
Order No/订货号	diameter Ø(A)		
805000-00-231	0.23mm		
805000-00-232	0.30mm		
805000-00-233	0.38mm		
805000-00-234	0.51mm		

Male connector (可拆卸式连接器)

Product figure



Scale diagram



Specification/技术参数		Materials and plating/材质与电镀	
Impedance/特性阻抗	50 ohm	Body : Stainless steel/不锈钢	Passivation/钝化
Frequency range/频率范围	DC to 40 GHz	Contact pin : Beryllium copper	Plating 30u" gold
VSWR/电压驻波比	<1.30	Insulator : ULTEM 1000/PEI	N/A
Durability/耐久性	>500 cycles		
Temperature range/温度范围	-55°C to +125°C		
Order No/订货号	diameter Ø(A)		
805000-00-506	0.23mm		
805000-00-507	0.30mm		
805000-00-508	0.38mm		
805000-00-509	0.51mm		

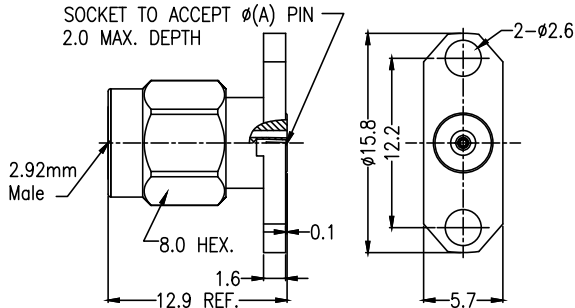
2.92mm Connector Series

Male connector (可拆卸式连接器)

Product figure



Scale diagram



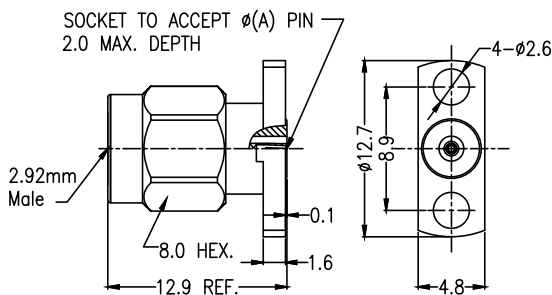
Specification/技术参数		Materials and plating/材质与电镀	
Impedance/特性阻抗	50 ohm	Body : Stainless steel/不锈钢	Passivation/钝化
Frequency range/频率范围	DC to 40 GHz	Contact pin : Beryllium copper	Plating 30u" gold
VSWR/电压驻波比	<1.30	Insulator : ULTEM 1000/PEI	N/A
Durability/耐久性	>500 cycles		
Temperature range/温度范围	-55°C to +125°C		
Order No/订货号	diameter Ø(A)		
805000-00-235	0.23mm		
805000-00-236	0.30mm		
805000-00-237	0.38mm		
805000-00-238	0.51mm		

Male connector (可拆卸式连接器)

Product figure



Scale diagram



Specification/技术参数		Materials and plating/材质与电镀	
Impedance/特性阻抗	50 ohm	Body : Stainless steel/不锈钢	Passivation/钝化
Frequency range/频率范围	DC to 40 GHz	Contact pin : Beryllium copper	Plating 30u" gold
VSWR/电压驻波比	<1.30	Insulator : ULTEM 1000/PEI	N/A
Durability/耐久性	>500 cycles		
Temperature range/温度范围	-55°C to +125°C		
Order No/订货号	diameter Ø(A)		
805000-00-510	0.23mm		
805000-00-511	0.30mm		
805000-00-512	0.38mm		
805000-00-513	0.51mm		

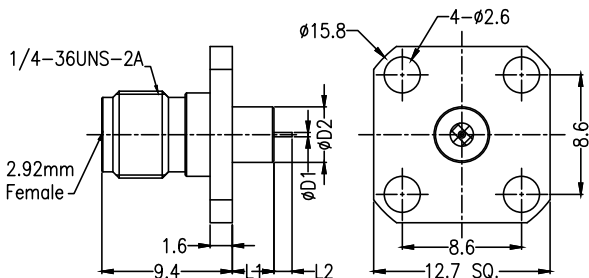
2.92mm Connector Series

Female connector (金属穿墙式连接器)

Product figure



Scale diagram



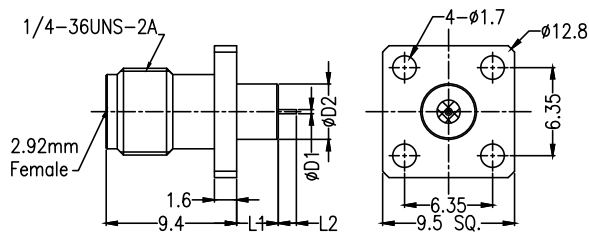
Specification/技术参数		Materials and plating/材质与电镀		
Impedance/特性阻抗	50 ohm	Body : Stainless steel/不锈钢	Passivation/钝化	
Frequency range/频率范围	DC to 40 GHz	Contact pin : Beryllium copper	Plating 30u" gold	
VSWR/电压驻波比	<1.30	Insulator : ULTEM 1000/PEI	N/A	
Durability/耐久性	>500 cycles			
Temperature range/温度范围	-55°C to +125°C			
Order No/订货号	ØD1	ØD2	L1	L2
805000-00-239	0.30mm	4.00mm	1.40mm	1.50mm
805000-00-240	0.30mm	4.00mm	3.00mm	1.50mm
805000-00-241	0.60mm	4.00mm	10.0mm	1.27mm

Female connector (金属穿墙式连接器)

Product figure



Scale diagram



Specification/技术参数		Materials and plating/材质与电镀		
Impedance/特性阻抗	50 ohm	Body : Stainless steel/不锈钢	Passivation/钝化	
Frequency range/频率范围	DC to 40 GHz	Contact pin : Beryllium copper	Plating 30u" gold	
VSWR/电压驻波比	<1.30	Insulator : ULTEM 1000/PEI	N/A	
Durability/耐久性	>500 cycles			
Temperature range/温度范围	-55°C to +125°C			
Order No/订货号	ØD1	ØD2	L1	L2
805000-00-514	0.30mm	4.00mm	1.40mm	1.50mm
805000-00-515	0.30mm	4.00mm	3.00mm	1.50mm
805000-00-516	0.60mm	4.00mm	10.1mm	1.27mm

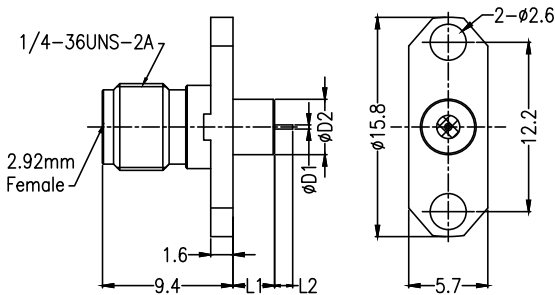
2.92mm Connector Series

Female connector (金属穿墙式连接器)

Product figure



Scale diagram



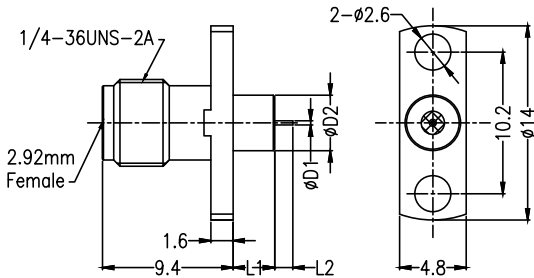
Specification/技术参数		Materials and plating/材质与电镀		
Impedance/特性阻抗	50 ohm	Body : Stainless steel/不锈钢	Passivation/钝化	
Frequency range/频率范围	DC to 40 GHz	Contact pin : Beryllium copper	Plating 30u" gold	
VSWR/电压驻波比	<1.30	Insulator : ULTEM 1000/PEI	N/A	
Durability/耐久性	>500 cycles			
Temperature range/温度范围	-55°C to +125°C			
Order No/订货号	ØD1	ØD2	L1	L2
805000-00-242	0.30mm	4.00mm	1.40mm	1.50mm
805000-00-243	0.30mm	4.00mm	3.00mm	1.50mm
805000-00-244	0.60mm	4.00mm	10.0mm	1.27mm

Female connector (金属穿墙式连接器)

Product figure



Scale diagram



Specification/技术参数		Materials and plating/材质与电镀		
Impedance/特性阻抗	50 ohm	Body : Stainless steel/不锈钢	Passivation/钝化	
Frequency range/频率范围	DC to 40 GHz	Contact pin : Beryllium copper	Plating 30u" gold	
VSWR/电压驻波比	<1.30	Insulator : ULTEM 1000/PEI	N/A	
Durability/耐久性	>500 cycles			
Temperature range/温度范围	-55°C to +125°C			
Order No/订货号	ØD1	ØD2	L1	L2
805000-00-517	0.30mm	4.00mm	1.40mm	1.50mm
805000-00-518	0.30mm	4.00mm	3.00mm	1.50mm
805000-00-519	0.60mm	4.00mm	10.1mm	1.27mm

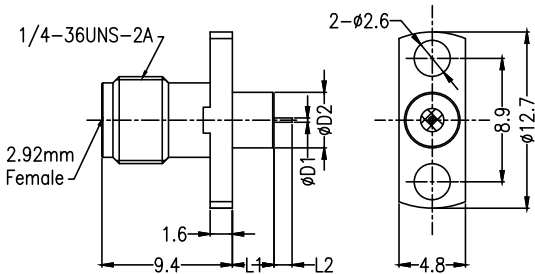
2.92mm Connector Series

Female connector (金属穿墙式连接器)

Product figure



Scale diagram



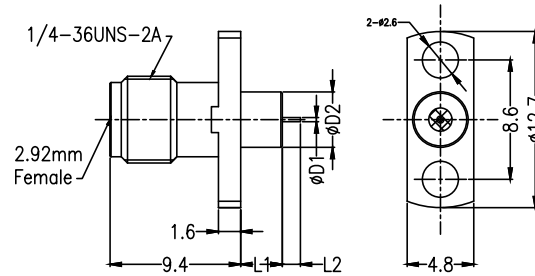
Specification/技术参数		Materials and plating/材质与电镀		
Impedance/特性阻抗	50 ohm	Body : Stainless steel/不锈钢	Passivation/钝化	
Frequency range/频率范围	DC to 40 GHz	Contact pin : Beryllium copper	Plating 30u" gold	
VSWR/电压驻波比	<1.30	Insulator : ULTEM 1000/PEI	N/A	
Durability/耐久性	>500 cycles			
Temperature range/温度范围	-55°C to +125°C			
Order No/订货号	ØD1	ØD2	L1	L2
805000-00-520	0.30mm	4.00mm	1.40mm	1.50mm
805000-00-521	0.30mm	4.00mm	3.00mm	1.50mm
805000-00-522	0.60mm	4.00mm	10.0mm	1.27mm

Female connector (金属穿墙式连接器)

Product figure



Scale diagram



Specification/技术参数		Materials and plating/材质与电镀		
Impedance/特性阻抗	50 ohm	Body : Stainless steel/不锈钢	Passivation/钝化	
Frequency range/频率范围	DC to 40 GHz	Contact pin : Beryllium copper	Plating 30u" gold	
VSWR/电压驻波比	<1.30	Insulator : ULTEM 1000/PEI	N/A	
Durability/耐久性	>500 cycles			
Temperature range/温度范围	-55°C to +125°C			
Order No/订货号	ØD1	ØD2	L1	L2
805000-00-523	0.30mm	4.00mm	1.40mm	1.50mm
805000-00-524	0.30mm	4.00mm	3.00mm	1.50mm
805000-00-525	0.60mm	4.00mm	10.1mm	1.27mm

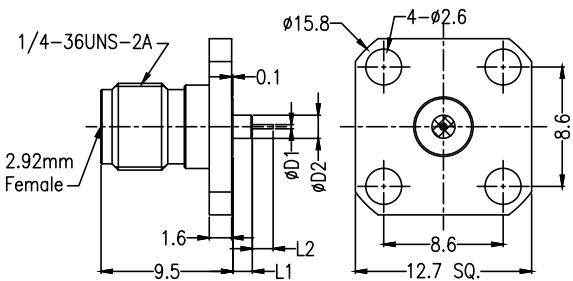
2.92mm Connector Series

Female connector (介质穿墙式连接器)

Product figure



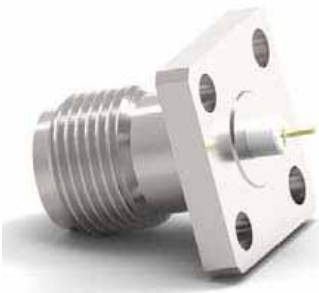
Scale diagram



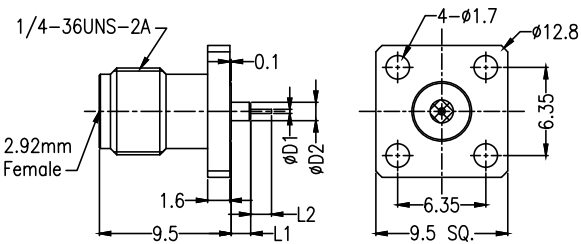
Specification/技术参数		Materials and plating/材质与电镀		
Impedance/特性阻抗	50 ohm	Body : Stainless steel/不锈钢	Passivation/钝化	
Frequency range/频率范围	DC to 40 GHz	Contact pin : Beryllium copper	Plating 30u" gold	
VSWR/电压驻波比	<1.30	Insulator : ULTEM 1000/PEI	N/A	
Durability/耐久性	>500 cycles			
Temperature range/温度范围	-55°C to +125°C			
Order No/□□□	$\phi D1$	$\phi D2$	L1	L2
805000-00-245	0.30mm	1.67mm	1.40mm	1.50mm
805000-00-246	0.30mm	1.67mm	3.00mm	1.50mm

Female connector (介质穿墙式连接器)

Product figure



Scale diagram



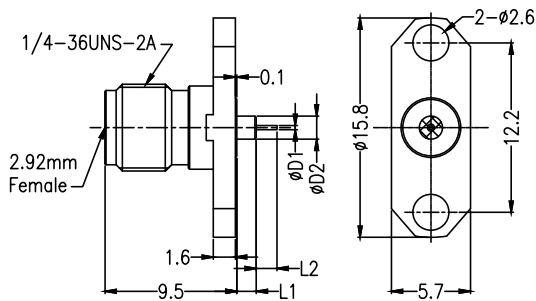
Specification/技术参数		Materials and plating/材质与电镀		
Impedance/特性阻抗	50 ohm	Body : Stainless steel/不锈钢	Passivation/钝化	
Frequency range/频率范围	DC to 40 GHz	Contact pin : Beryllium copper	Plating 30u" gold	
VSWR/电压驻波比	<1.30	Insulator : ULTEM 1000/PEI	N/A	
Durability/耐久性	>500 cycles			
Temperature range/温度范围	-55°C to +125°C			
Order No/订货号	$\phi D1$	$\phi D2$	L1	L2
805000-00-526	0.30mm	1.67mm	1.40mm	1.50mm
805000-00-527	0.30mm	1.67mm	3.00mm	1.50mm

Female connector (介质穿墙式连接器)

Product figure



Scale diagram



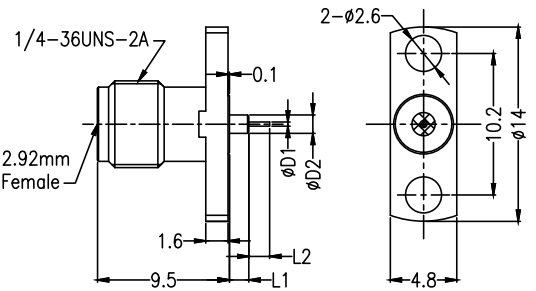
Specification/技术参数		Materials and plating/材质与电镀		
Impedance/特性阻抗	50 ohm	Body : Stainless steel/不锈钢	Passivation/钝化	
Frequency range/频率范围	DC to 40 GHz	Contact pin : Beryllium copper	Plating 30u" gold	
VSWR/电压驻波比	<1.30	Insulator : ULTEM 1000/PEI	N/A	
Durability/耐久性	>500 cycles			
Temperature range/温度范围	-55°C to +125°C			
Order No/订货号	ØD1	ØD2	L1	L2
805000-00-247	0.30mm	1.67mm	1.40mm	1.50mm
805000-00-248	0.30mm	1.67mm	3.00mm	1.50mm

Female connector (介质穿墙式连接器)

Product figure



Scale diagram



Specification/技术参数		Materials and plating/材质与电镀		
Impedance/特性阻抗	50 ohm	Body : Stainless steel/不锈钢	Passivation/钝化	
Frequency range/频率范围	DC to 40 GHz	Contact pin : Beryllium copper	Plating 30u" gold	
VSWR/电压驻波比	<1.30	Insulator : ULTEM 1000/PEI	N/A	
Durability/耐久性	>500 cycles			
Temperature range/温度范围	-55°C to +125°C			
Order No/订货号	ØD1	ØD2	L1	L2
805000-00-528	0.30mm	1.67mm	1.40mm	1.50mm
805000-00-529	0.30mm	1.67mm	3.00mm	1.50mm

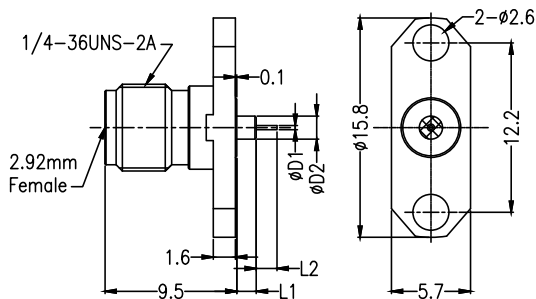
2.92mm Connector Series

Female connector (介质穿墙式连接器)

Product figure



Scale diagram



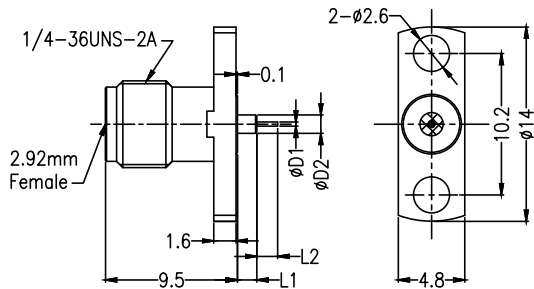
Specification/技术参数		Materials and plating/材质与电镀		
Impedance/特性阻抗	50 ohm	Body : Stainless steel/不锈钢	Passivation/钝化	
Frequency range/频率范围	DC to 40 GHz	Contact pin : Beryllium copper	Plating 30u" gold	
VSWR/电压驻波比	<1.30	Insulator : ULTEM 1000/PEI	N/A	
Durability/耐久性	>500 cycles			
Temperature range/温度范围	-55°C to +125°C			
Order No/□□□	ØD1	ØD2	L1	L2
805000-00-247	0.30mm	1.67mm	1.40mm	1.50mm
805000-00-248	0.30mm	1.67mm	3.00mm	1.50mm

Female connector (介质穿墙式连接器)

Product figure



Scale diagram

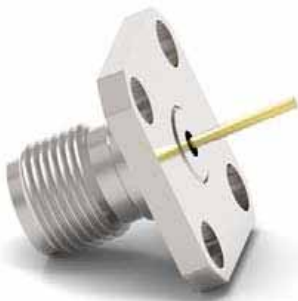


Specification/技术参数		Materials and plating/材质与电镀		
Impedance/特性阻抗	50 ohm	Body : Stainless steel/不锈钢	Passivation/钝化	
Frequency range/频率范围	DC to 40 GHz	Contact pin : Beryllium copper	Plating 30u" gold	
VSWR/电压驻波比	<1.30	Insulator : ULTEM 1000/PEI	N/A	
Durability/耐久性	>500 cycles			
Temperature range/温度范围	-55°C to +125°C			
Order No/□□□	ØD1	ØD2	L1	L2
805000-00-528	0.30mm	1.67mm	1.40mm	1.50mm
805000-00-529	0.30mm	1.67mm	3.00mm	1.50mm

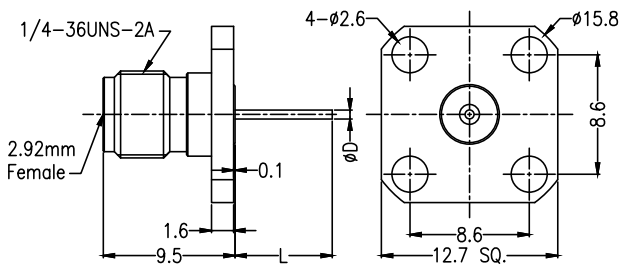
2.92mm Connector Series

Female connector (空气穿墙式连接器)

Product figure



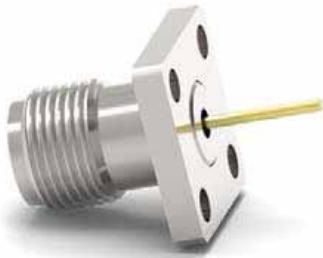
Scale diagram



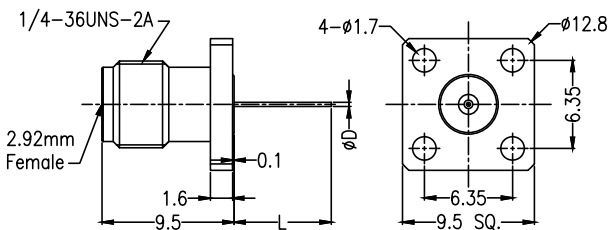
Specification/技术参数		Materials and plating/材质与电镀	
Impedance/特性阻抗	50 ohm	Body : Stainless steel/不锈钢	Passivation/钝化
Frequency range/频率范围	DC to 40 GHz	Contact pin : Beryllium copper	Plating 30u" gold
VSWR/电压驻波比	<1.30	Insulator : ULTEM 1000/PEI	N/A
Durability/耐久性	>500 cycles		
Temperature range/温度范围	-55°C to +125°C		
Order No/订货号	ØD1	L1	
805000-00-249	0.30mm	7.00mm	
805000-00-250	0.64mm	6.84mm	
805000-00-251	0.64mm	10.92mm	
805000-00-252	0.75mm	30.0mm	

Female connector (空气穿墙式连接器)

Product figure



Scale diagram



Specification/技术参数		Materials and plating/材质与电镀	
Impedance/特性阻抗	50 ohm	Body : Stainless steel/不锈钢	Passivation/钝化
Frequency range/频率范围	DC to 40 GHz	Contact pin : Beryllium copper	Plating 30u" gold
VSWR/电压驻波比	<1.30	Insulator : ULTEM 1000/PEI	N/A
Durability/耐久性	>500 cycles		
Temperature range/温度范围	-55°C to +125°C		
Order No/订货号	ØD1	L1	
805000-00-534	0.30mm	7.00mm	
805000-00-535	0.64mm	6.84mm	
805000-00-536	0.64mm	10.92mm	
805000-00-537	0.75mm	30.0mm	

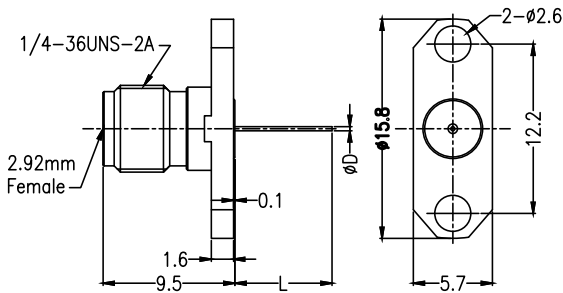
2.92mm Connector Series

Female connector (空气穿墙式连接器)

Product figure



Scale diagram



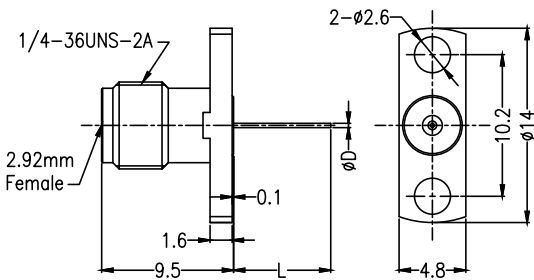
Specification/技术参数		Materials and plating/材质与电镀	
Impedance/特性阻抗	50 ohm	Body : Stainless steel/不锈钢	Passivation/钝化
Frequency range/频率范围	DC to 40 GHz	Contact pin : Beryllium copper	Plating 30u" gold
VSWR/电压驻波比	<1.30	Insulator : ULTEM 1000/PEI	N/A
Durability/耐久性	>500 cycles		
Temperature range/温度范围	-55°C to +125°C		
Order No/订货号	ØD1	L1	
805000-00-253	0.30mm	7.00mm	
805000-00-254	0.64mm	6.84mm	
805000-00-255	0.64mm	10.92mm	
805000-00-256	0.75mm	30.0mm	

Female connector (空气穿墙式连接器)

Product figure



Scale diagram



Specification/技术参数		Materials and plating/材质与电镀	
Impedance/特性阻抗	50 ohm	Body : Stainless steel/不锈钢	Passivation/钝化
Frequency range/频率范围	DC to 40 GHz	Contact pin : Beryllium copper	Plating 30u" gold
VSWR/电压驻波比	<1.30	Insulator : ULTEM 1000/PEI	N/A
Durability/耐久性	>500 cycles		
Temperature range/温度范围	-55°C to +125°C		
Order No/订货号	ØD1	L1	
805000-00-538	0.30mm	7.00mm	
805000-00-539	0.64mm	6.84mm	
805000-00-540	0.64mm	10.92mm	
805000-00-541	0.75mm	30.0mm	

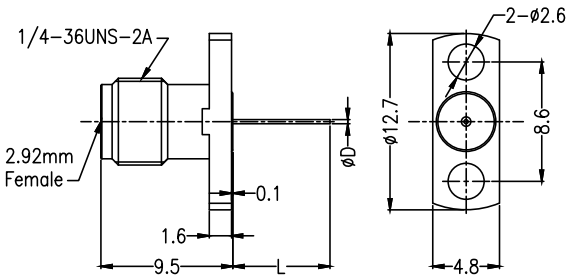
2.92mm Connector Series

Female connector (空气穿墙式连接器)

Product figure



Scale diagram



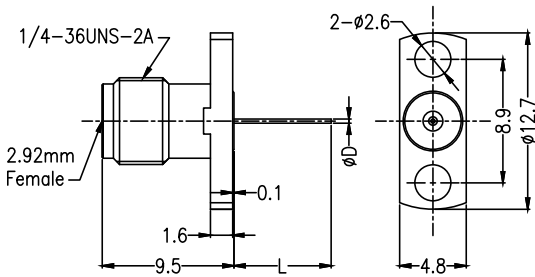
Specification/技术参数		Materials and plating/材质与电镀	
Impedance/特性阻抗	50 ohm	Body : Stainless steel/不锈钢	Passivation/钝化
Frequency range/频率范围	DC to 40 GHz	Contact pin : Beryllium copper	Plating 30u" gold
VSWR/电压驻波比	<1.30	Insulator : ULTEM 1000/PEI	N/A
Durability/耐久性	>500 cycles		
Temperature range/温度范围	-55°C to +125°C		
Order No/订货号	ØD1	L1	
805000-00-416	0.30mm	7.00mm	
805000-00-417	0.64mm	6.84mm	
805000-00-418	0.64mm	10.92mm	
805000-00-419	0.75mm	30.0mm	

Female connector (空气穿墙式连接器)

Product figure



Scale diagram

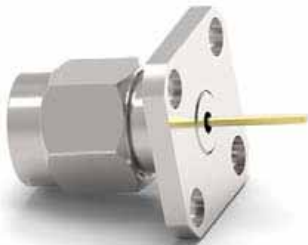


Specification/技术参数		Materials and plating/材质与电镀	
Impedance/特性阻抗	50 ohm	Body : Stainless steel/不锈钢	Passivation/钝化
Frequency range/频率范围	DC to 40 GHz	Contact pin : Beryllium copper	Plating 30u" gold
VSWR/电压驻波比	<1.30	Insulator : ULTEM 1000/PEI	N/A
Durability/耐久性	>500 cycles		
Temperature range/温度范围	-55°C to +125°C		
Order No/订货号	ØD1	L1	
805000-00-542	0.30mm	7.00mm	
805000-00-543	0.64mm	6.84mm	
805000-00-544	0.64mm	10.92mm	
805000-00-545	0.75mm	30.0mm	

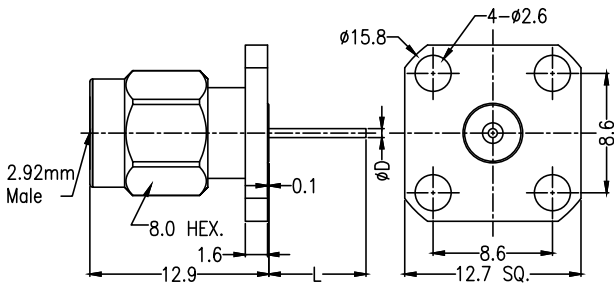
2.92mm Connector Series

Male connector (空气穿墙式连接器)

Product figure



Scale diagram



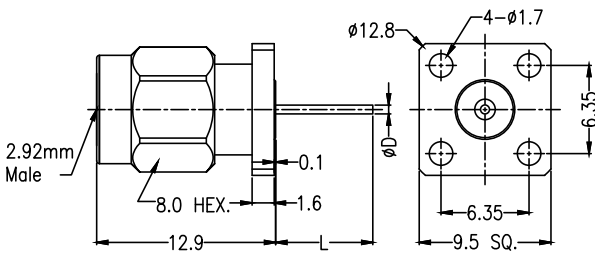
Specification/技术参数		Materials and plating/材质与电镀	
Impedance/特性阻抗	50 ohm	Body : Stainless steel/不锈钢	Passivation/钝化
Frequency range/频率范围	DC to 40 GHz	Contact pin : Beryllium copper	Plating 30u" gold
VSWR/电压驻波比	<1.30	Insulator : ULTEM 1000/PEI	N/A
Durability/耐久性	>500 cycles		
Temperature range/温度范围	-55°C to +125°C		
Order No/订货号	ØD1	L1	
805000-00-257	0.64mm	6.84mm	
805000-00-258	0.64mm	10.92mm	

Male connector (空气穿墙式连接器)

Product figure



Scale diagram

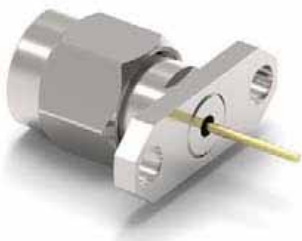


Specification/技术参数		Materials and plating/材质与电镀	
Impedance/特性阻抗	50 ohm	Body : Stainless steel/不锈钢	Passivation/钝化
Frequency range/频率范围	DC to 40 GHz	Contact pin : Beryllium copper	Plating 30u" gold
VSWR/电压驻波比	<1.30	Insulator : ULTEM 1000/PEI	N/A
Durability/耐久性	>500 cycles		
Temperature range/温度范围	-55°C to +125°C		
Order No/订货号	ØD1	L1	
805000-00-550	0.64mm	6.84mm	
805000-00-551	0.64mm	10.92mm	

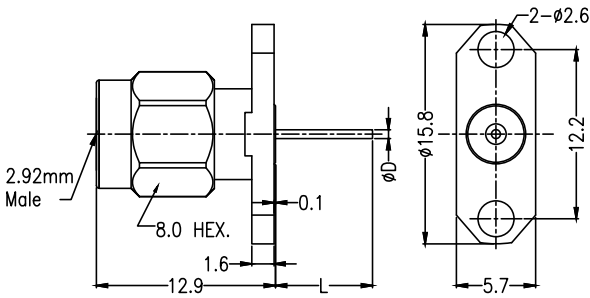
2.92mm Connector Series

Male connector (空气穿墙式连接器)

Product figure



Scale diagram



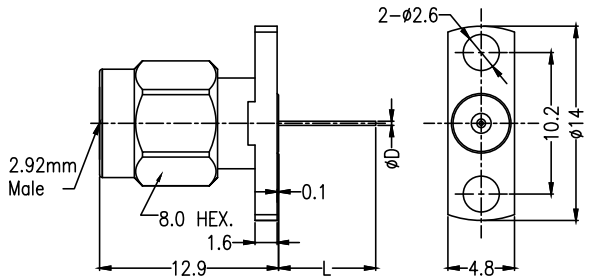
Specification/技术参数		Materials and plating/材质与电镀	
Impedance/特性阻抗	50 ohm	Body : Stainless steel/不锈钢	Passivation/钝化
Frequency range/频率范围	DC to 40 GHz	Contact pin : Beryllium copper	Plating 30u" gold
VSWR/电压驻波比	<1.30	Insulator : ULTEM 1000/PEI	N/A
Durability/耐久性	>500 cycles		
Temperature range/温度范围	-55°C to +125°C		
Order No/订货号	ØD1	L1	
805000-00-259	0.64mm	6.84mm	
805000-00-260	0.64mm	10.92mm	

Male connector (空气穿墙式连接器)

Product figure



Scale diagram



Specification/技术参数		Materials and plating/材质与电镀	
Impedance/特性阻抗	50 ohm	Body : Stainless steel/不锈钢	Passivation/钝化
Frequency range/频率范围	DC to 40 GHz	Contact pin : Beryllium copper	Plating 30u" gold
VSWR/电压驻波比	<1.30	Insulator : ULTEM 1000/PEI	N/A
Durability/耐久性	>500 cycles		
Temperature range/温度范围	-55°C to +125°C		
Order No/订货号	ØD1	L1	
805000-00-552	0.64mm	6.84mm	
805000-00-553	0.64mm	10.92mm	

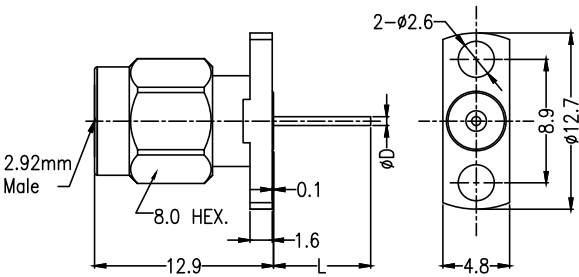
2.92mm Connector Series

Male connector (空气穿墙式连接器)

Product figure



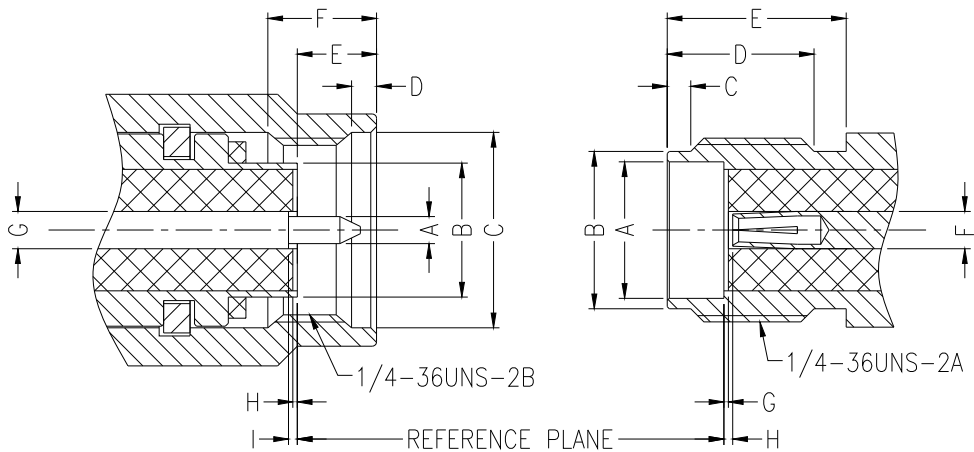
Scale diagram



Specification/技术参数		Materials and plating/材质与电镀	
Impedance/特性阻抗	50 ohm	Body : Stainless steel/不锈钢	Passivation/钝化
Frequency range/频率范围	DC to 40 GHz	Contact pin : Beryllium copper	Plating 30u" gold
VSWR/电压驻波比	<1.30	Insulator : ULTEM 1000/PEI	N/A
Durability/耐久性	>500 cycles		
Temperature range/温度范围	-55°C to +125°C		
Order No/订货号	ØD1		L1
805000-00-554	0.64mm		6.84mm
805000-00-555	0.64mm		10.92mm

SMA系列是应用非常广泛的小尺寸螺纹式同轴射频连接器，具有良好的电气性能、耐用性、使用可靠的特点。产品广泛用于微波通信领域，移动通讯设备和电子通讯仪器，数字通信系统 的主机和射频回路中。

SMA series is the wide application of small size thread type rf coaxial connectors, good electrical properties, durability, use reliable characteristic.Products are widely used in field of microwave communication, mobile communication equipment and electronic communication instrument, host and radio frequency loop of the digital communication system.



界面尺寸 interface size	Male/插头		Female/插座	
	Minimum/最小	Maximum/最大	Minimum/最小	Maximum/最大
Letter/代号				
A	0.90(.0354)	0.94(.0370)	4.60(.1811)	4.67(.1838)
B	4.53(.1783)	4.59(.1807)	5.28(.2078)	5.49(.2161)
C	6.35(.2500)	6.73(.2649)	0.38(.0149)	1.14(.0449)
D	0.38(.0149)	1.14(.0449)	4.32(.1701)	—
E	2.54(.0100)	3.43(.1350)	5.54(.2181)	—
F	3.30(.1299)	—	1.24(.0488)	1.30(.0512)
G	1.24(.0488)	1.30(.0512)	0	0.25(.0098)
H	0	0.25(.0098)	0	0.25(.0098)
I	0	0.25(.0098)		

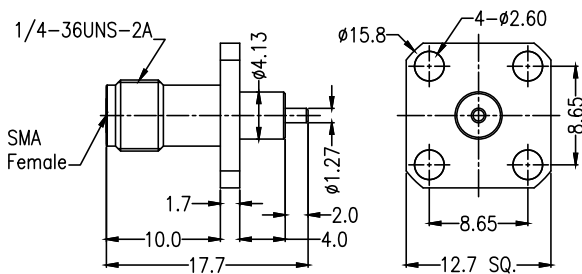
Specification/技术参数	
Impedance/特性阻抗	50 ohm
Frequency range/频率范围	DC to 26.5 GHz
Dielectric withstanding voltage/介质耐压	> 750 V
Center contact resistance/中心接触电阻	< 3.0mΩ
Outer contact resistance/外接触电阻	< 2.0mΩ
Insulation resistance/绝缘电阻	> 5000MΩ
VSWR/电压驻波比	< 1.30
Durability/耐久性	> 500 cycles
Temperature range/温度范围	-65°C to +165°C
Interface standard/界面符合标准	IEC 61169-15, MIL-STD-348

Female connector

Product figure



Scale diagram



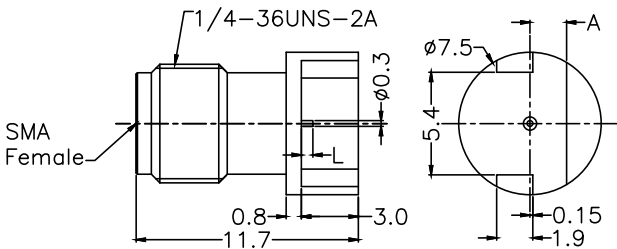
Specification/技术参数		Materials and plating/材质与电镀	
Impedance/特性阻抗	50 ohm	Body : BRASS C3604/黄铜	Plating 3u" gold/镀金 3u"
Frequency range/频率范围	DC to 18 GHz	Contact pin : Beryllium copper	Plating 5u" gold/镀金 5u"
VSWR/电压驻波比	<1.30	Insulator : PTFE ASTM-D-1710	N/A
Durability/耐久性	>500 cycles		
Temperature range/温度范围	-65°C to +165°C		
Order No/订货号			
805000-00-325			

Female connector

Product figure



Scale diagram



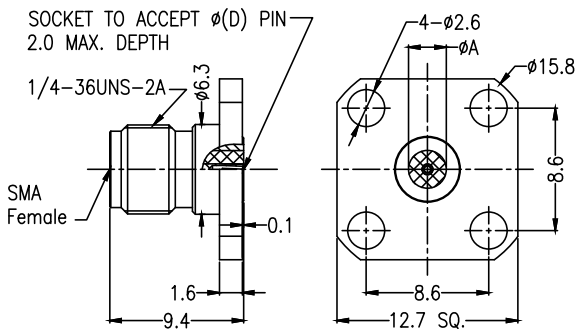
Specification/技术参数		Materials and plating/材质与电镀	
Impedance/特性阻抗	50 ohm	Body : BRASS C3604/黄铜	Plating 10u" gold/镀金 10u"
Frequency range/频率范围	DC to 26.5 GHz	Contact pin : Beryllium copper	Plating 30u" gold/镀金 30u"
VSWR/电压驻波比	<1.30	Insulator : ULTEM 1000/PEI	N/A
Durability/耐久性	>500 cycles		
Temperature range/温度范围	-65°C to +165°C		
Order No/订货号	A	L	PCB Thickness/PCB板厚度
805000-00-662	0.76mm	0.60mm	0.61mm
805000-00-663	1.02mm	0.60mm	0.87mm
805000-00-664	1.93mm	0.60mm	1.78mm
805000-00-665	0.76mm	1.22mm	0.61mm
805000-00-666	1.02mm	1.22mm	0.87mm
805000-00-667	1.93mm	1.22mm	1.78mm

Female connector (可拆卸式连接器)

Product figure



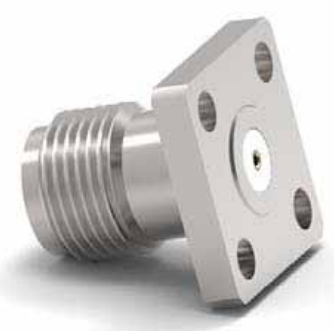
Scale diagram



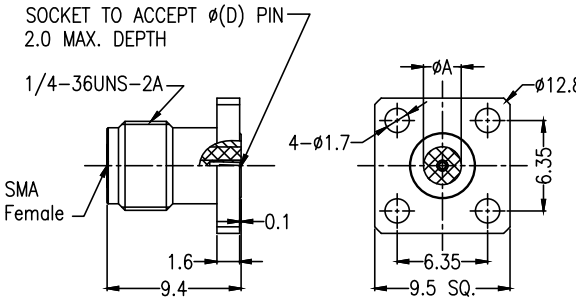
Specification/技术参数		Materials and plating/材质与电镀	
Impedance/特性阻抗	50 ohm	Body : Stainless steel/不锈钢	Passivation/钝化
Frequency range/频率范围	DC to 26.5 GHz	Contact pin : Beryllium copper	Plating 30u" gold
VSWR/电压驻波比	<1.30	Insulator : PTFE ASTM-D-1710	N/A
Durability/耐久性	>500 cycles		
Temperature range/温度范围	-65°C to +165°C		
Order No/订货号	diameter $\phi(D)$	ϕA	
805000-00-351	0.23mm	1.53mm	
805000-00-352	0.30mm	1.94mm	
805000-00-353	0.38mm	1.94mm	
805000-00-354	0.46mm	2.59mm	
805000-00-355	0.51mm	2.65mm	

Female connector (可拆卸式连接器)

Product figure



Scale diagram



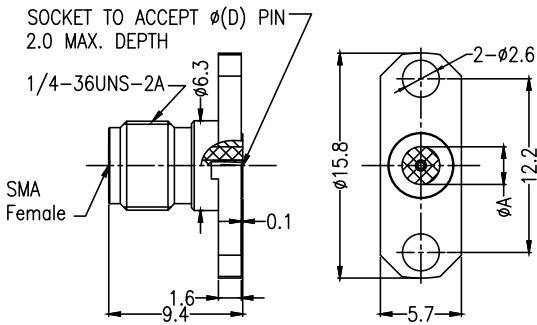
Specification/技术参数		Materials and plating/材质与电镀	
Impedance/特性阻抗	50 ohm	Body : Stainless steel/不锈钢	Passivation/钝化
Frequency range/频率范围	DC to 26.5 GHz	Contact pin : Beryllium copper	Plating 30u" gold
VSWR/电压驻波比	<1.30	Insulator : PTFE ASTM-D-1710	N/A
Durability/耐久性	>500 cycles		
Temperature range/温度范围	-65°C to +165°C		
Order No/订货号	diameter $\phi(D)$	ϕA	
805000-00-356	0.23mm	1.53mm	
805000-00-357	0.30mm	1.94mm	
805000-00-358	0.38mm	1.94mm	
805000-00-359	0.46mm	2.59mm	
805000-00-360	0.51mm	2.65mm	

Female connector (可拆卸式连接器)

Product figure



Scale diagram



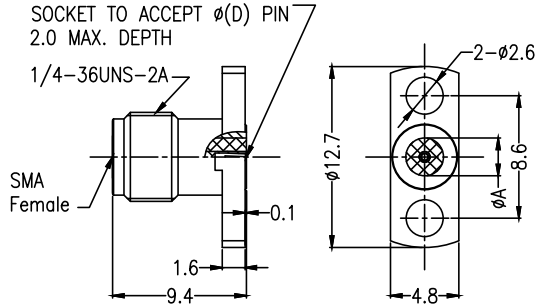
Specification/技术参数		Materials and plating/材质与电镀	
Impedance/特性阻抗	50 ohm	Body : Stainless steel/不锈钢	Passivation/钝化
Frequency range/频率范围	DC to 26.5 GHz	Contact pin : Beryllium copper	Plating 30u" gold
VSWR/电压驻波比	<1.30	Insulator : PTFE ASTM-D-1710	N/A
Durability/耐久性	>500 cycles		
Temperature range/温度范围	-65°C to +165°C		
Order No/订货号	diameter Ø(D)	ØA	
805000-00-361	0.23mm	1.53mm	
805000-00-362	0.30mm	1.94mm	
805000-00-363	0.38mm	1.94mm	
805000-00-364	0.46mm	2.59mm	
805000-00-365	0.51mm	2.65mm	

Female connector (可拆卸式连接器)

Product figure



Scale diagram



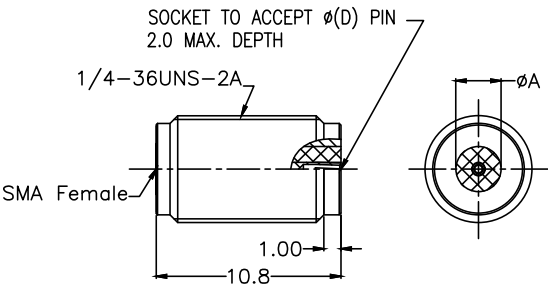
Specification/技术参数		Materials and plating/材质与电镀	
Impedance/特性阻抗	50 ohm	Body : Stainless steel/不锈钢	Passivation/钝化
Frequency range/频率范围	DC to 26.5 GHz	Contact pin : Beryllium copper	Plating 30u" gold
VSWR/电压驻波比	<1.30	Insulator : PTFE ASTM-D-1710	N/A
Durability/耐久性	>500 cycles		
Temperature range/温度范围	-65°C to +165°C		
Order No/订货号	diameter Ø(D)	ØA	
805000-00-366	0.23mm	1.53mm	
805000-00-367	0.30mm	1.94mm	
805000-00-368	0.38mm	1.94mm	
805000-00-369	0.46mm	2.59mm	
805000-00-370	0.51mm	2.65mm	

Female connector (可拆卸式连接器)

Product figure



Scale diagram



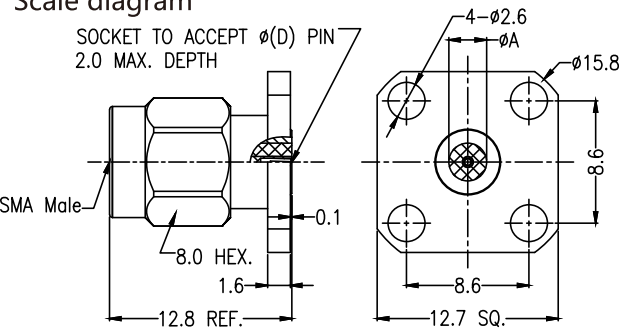
Specification/技术参数		Materials and plating/材质与电镀	
Impedance/特性阻抗	50 ohm	Body : Stainless steel/不锈钢	Passivation/钝化
Frequency range/频率范围	DC to 26.5 GHz	Contact pin : Beryllium copper	Plating 30u" gold
VSWR/电压驻波比	<1.30	Insulator : PTFE ASTM-D-1710	N/A
Durability/耐久性	>500 cycles		
Temperature range/温度范围	-65°C to +165°C		
Order No/订货号	diameter $\phi(D)$	ϕA	
805000-00-372	0.23mm	1.53mm	
805000-00-373	0.30mm	1.94mm	
805000-00-374	0.38mm	1.94mm	
805000-00-375	0.46mm	2.59mm	
805000-00-376	0.51mm	2.65mm	

Male connector (可拆卸式连接器)

Product figure



Scale diagram



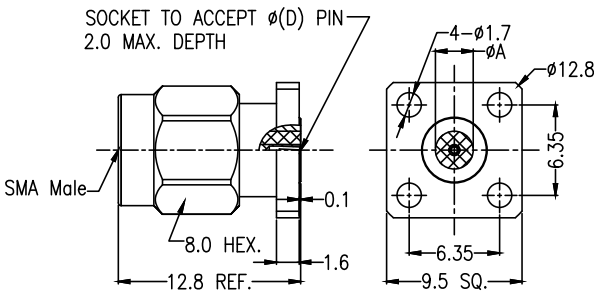
Specification/技术参数		Materials and plating/材质与电镀	
Impedance/特性阻抗	50 ohm	Body : Stainless steel/不锈钢	Passivation/钝化
Frequency range/频率范围	DC to 26.5 GHz	Contact pin : Beryllium copper	Plating 30u" gold
VSWR/电压驻波比	<1.30	Insulator : PTFE ASTM-D-1710	N/A
Durability/耐久性	>500 cycles		
Temperature range/温度范围	-65°C to +165°C		
Order No/订货号	diameter $\phi(D)$	ϕA	
805000-00-377	0.23mm	1.53mm	
805000-00-378	0.30mm	1.94mm	
805000-00-379	0.38mm	1.94mm	
805000-00-380	0.46mm	2.59mm	
805000-00-381	0.51mm	2.65mm	

Male connector (可拆卸式连接器)

Product figure



Scale diagram



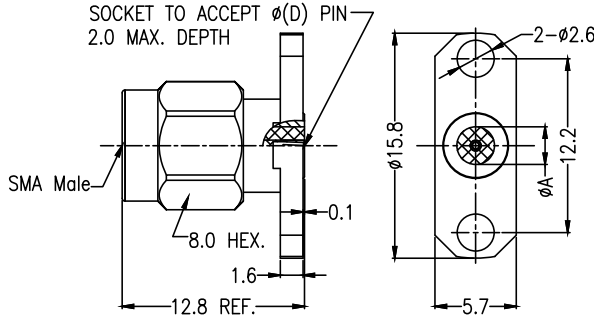
Specification/技术参数		Materials and plating/材质与电镀	
Impedance/特性阻抗	50 ohm	Body : Stainless steel/不锈钢	Passivation/钝化
Frequency range/频率范围	DC to 26.5 GHz	Contact pin : Beryllium copper	Plating 30u" gold
VSWR/电压驻波比	<1.30	Insulator : PTFE ASTM-D-1710	N/A
Durability/耐久性	>500 cycles		
Temperature range/温度范围	-65°C to +165°C		
Order No/订货号	diameter $\phi(D)$	ϕA	
805000-00-382	0.23mm	1.53mm	
805000-00-383	0.30mm	1.94mm	
805000-00-384	0.38mm	1.94mm	
805000-00-385	0.46mm	2.59mm	
805000-00-386	0.51mm	2.65mm	

Male connector (可拆卸式连接器)

Product figure



Scale diagram



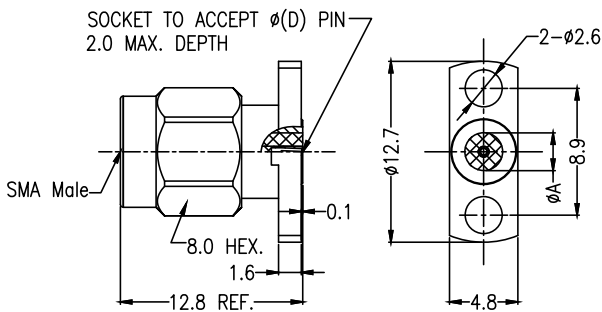
Specification/技术参数		Materials and plating/材质与电镀	
Impedance/特性阻抗	50 ohm	Body : Stainless steel/不锈钢	Passivation/钝化
Frequency range/频率范围	DC to 26.5 GHz	Contact pin : Beryllium copper	Plating 30u" gold
VSWR/电压驻波比	<1.30	Insulator : PTFE ASTM-D-1710	N/A
Durability/耐久性	>500 cycles		
Temperature range/温度范围	-65°C to +165°C		
Order No/订货号	diameter $\phi(D)$	ϕA	
805000-00-387	0.23mm	1.53mm	
805000-00-388	0.30mm	1.94mm	
805000-00-389	0.38mm	1.94mm	
805000-00-390	0.46mm	2.59mm	
805000-00-391	0.51mm	2.65mm	

Male connector (可拆卸式连接器)

Product figure



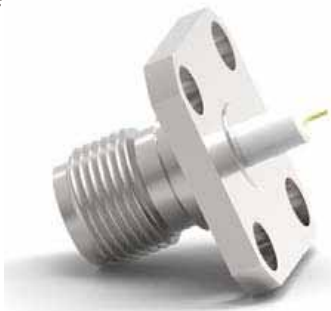
Scale diagram



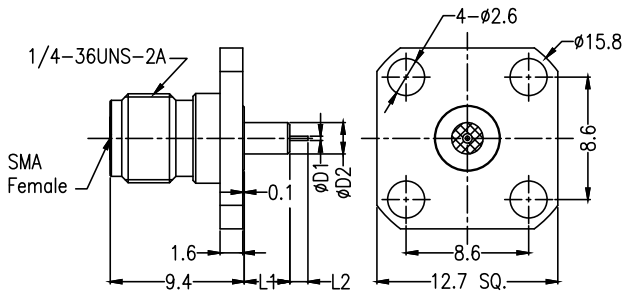
Specification/技术参数		Materials and plating/材质与电镀	
Impedance/特性阻抗	50 ohm	Body : Stainless steel/不锈钢	Passivation/钝化
Frequency range/频率范围	DC to 26.5 GHz	Contact pin : Beryllium copper	Plating 30u" gold
VSWR/电压驻波比	<1.30	Insulator : PTFE ASTM-D-1710	N/A
Durability/耐久性	>500 cycles		
Temperature range/温度范围	-65°C to +165°C		
Order No/订货号	diameter Ø(D)	ØA	
805000-00-392	0.23mm	1.53mm	
805000-00-393	0.30mm	1.94mm	
805000-00-394	0.38mm	1.94mm	
805000-00-395	0.46mm	2.59mm	
805000-00-396	0.51mm	2.65mm	

Female connector (介质穿墙式连接器)

Product figure



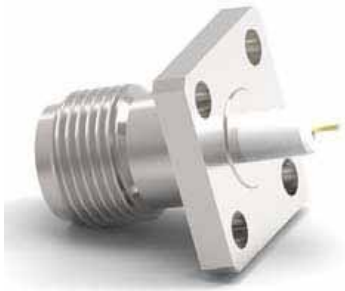
Scale diagram



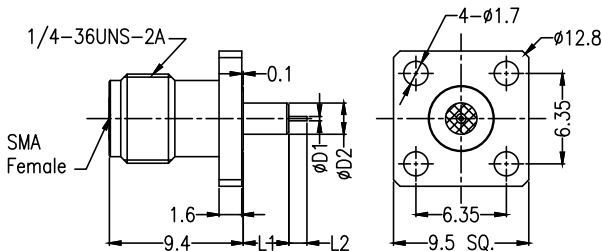
Specification/技术参数		Materials and plating/材质与电镀		
Impedance/特性阻抗	50 ohm	Body : Stainless steel/不锈钢	Passivation/钝化	
Frequency range/频率范围	DC to 26.5 GHz	Contact pin : Beryllium copper	Plating 30u" gold	
VSWR/电压驻波比	<1.30	Insulator : PTFE ASTM-D-1710	N/A	
Durability/耐久性	>500 cycles			
Temperature range/温度范围	-65°C to +165°C			
Order No/订货号	ØD1	ØD2	L1	L2
805000-00-399	0.30mm	2.20mm	3.20mm	1.27mm
805000-00-400	0.64mm	2.10mm	15.0mm	3.00mm
805000-00-401	0.64mm	3.90mm	15.0mm	3.00mm

Female connector (介质穿墙式连接器)

Product figure



Scale diagram



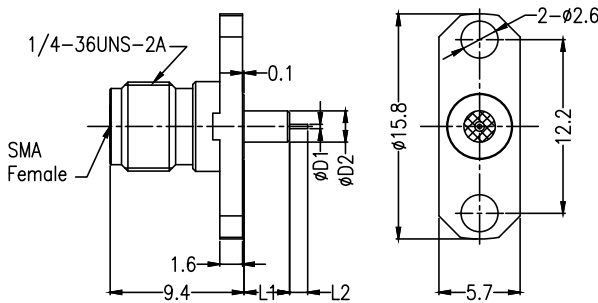
Specification/技术参数		Materials and plating/材质与电镀		
Impedance/特性阻抗	50 ohm	Body : Stainless steel/不锈钢	Passivation/钝化	
Frequency range/频率范围	DC to 26.5 GHz	Contact pin : Beryllium copper	Plating 30u" gold	
VSWR/电压驻波比	<1.30	Insulator : PTFE ASTM-D-1710	N/A	
Durability/耐久性	>500 cycles			
Temperature range/温度范围	-65°C to +165°C			
Order No/订货号	ØD1	ØD2	L1	L2
805000-00-402	0.30mm	2.20mm	3.20mm	1.27mm
805000-00-403	0.64mm	2.10mm	15.0mm	3.00mm

Female connector (介质穿墙式连接器)

Product figure



Scale diagram



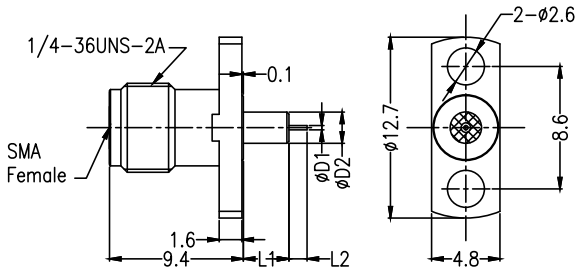
Specification/技术参数		Materials and plating/材质与电镀		
Impedance/特性阻抗	50 ohm	Body : Stainless steel/不锈钢	Passivation/钝化	
Frequency range/频率范围	DC to 26.5 GHz	Contact pin : Beryllium copper	Plating 30u" gold	
VSWR/电压驻波比	<1.30	Insulator : PTFE ASTM-D-1710	N/A	
Durability/耐久性	>500 cycles			
Temperature range/温度范围	-65°C to +165°C			
Order No/订货号	ØD1	ØD2	L1	L2
805000-00-404	0.30mm	2.20mm	3.20mm	1.27mm
805000-00-405	0.64mm	2.10mm	15.0mm	3.00mm
805000-00-406	0.64mm	3.90mm	15.0mm	3.00mm

Female connector (介质穿墙式连接器)

Product figure



Scale diagram



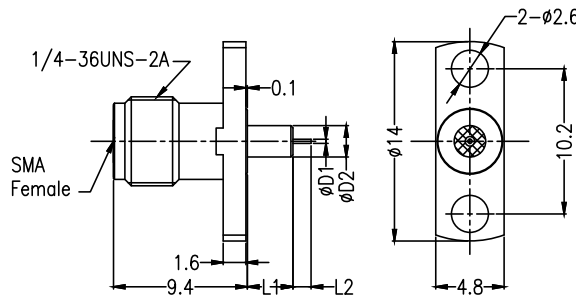
Specification/技术参数		Materials and plating/材质与电镀		
Impedance/特性阻抗	50 ohm	Body : Stainless steel/不锈钢	Passivation/钝化	
Frequency range/频率范围	DC to 26.5 GHz	Contact pin : Beryllium copper	Plating 30u" gold	
VSWR/电压驻波比	<1.30	Insulator : PTFE ASTM-D-1710	N/A	
Durability/耐久性	>500 cycles			
Temperature range/温度范围	-65°C to +165°C			
Order No/订货号	ØD1	ØD2	L1	L2
805000-00-407	0.30mm	2.20mm	3.20mm	1.27mm
805000-00-408	0.64mm	2.10mm	15.0mm	3.00mm
805000-00-409	0.64mm	3.90mm	15.0mm	3.00mm

Female connector (介质穿墙式连接器)

Product figure



Scale diagram



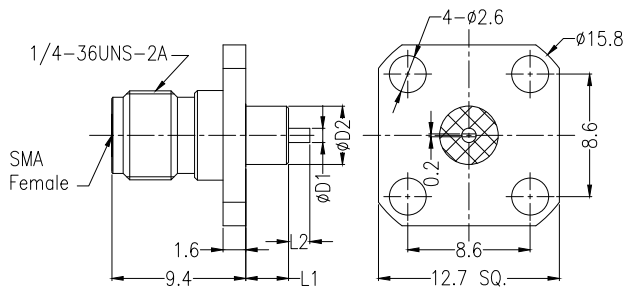
Specification/技术参数		Materials and plating/材质与电镀		
Impedance/特性阻抗	50 ohm	Body : Stainless steel/不锈钢	Passivation/钝化	
Frequency range/频率范围	DC to 26.5 GHz	Contact pin : Beryllium copper	Plating 30u" gold	
VSWR/电压驻波比	<1.30	Insulator : PTFE ASTM-D-1710	N/A	
Durability/耐久性	>500 cycles			
Temperature range/温度范围	-65°C to +165°C			
Order No/订货号	ØD1	ØD2	L1	L2
805000-00-615	0.30mm	2.20mm	3.20mm	1.27mm
805000-00-616	0.64mm	2.10mm	15.0mm	3.00mm

Female connector (介质穿墙式连接器)

Product figure



Scale diagram



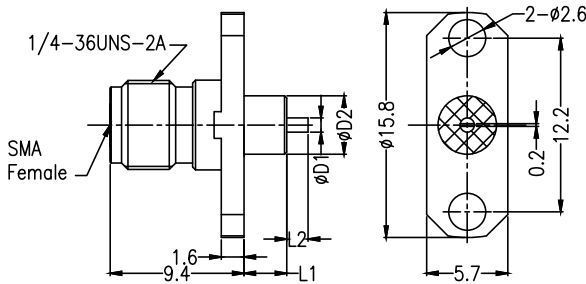
Specification/技术参数		Materials and plating/材质与电镀		
Impedance/特性阻抗	50 ohm	Body : Stainless steel/不锈钢	Passivation/钝化	
Frequency range/频率范围	DC to 26.5 GHz	Contact pin : Beryllium copper	Plating 30u" gold	
VSWR/电压驻波比	<1.30	Insulator : PTFE ASTM-D-1710	N/A	
Durability/耐久性	>500 cycles			
Temperature range/温度范围	-65°C to +165°C			
Order No/订货号	ØD1	ØD2	L1	L2
805000-00-410	1.00mm	4.10mm	3.00mm	1.50mm
805000-00-411	1.00mm	4.10mm	4.00mm	3.00mm

Female connector (介质穿墙式连接器)

Product figure



Scale diagram



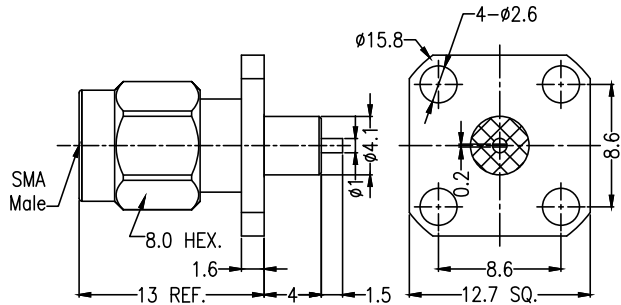
Specification/技术参数		Materials and plating/材质与电镀		
Impedance/特性阻抗	50 ohm	Body : Stainless steel/不锈钢	Passivation/钝化	
Frequency range/频率范围	DC to 26.5 GHz	Contact pin : Beryllium copper	Plating 30u" gold	
VSWR/电压驻波比	<1.30	Insulator : PTFE ASTM-D-1710	N/A	
Durability/耐久性	>500 cycles			
Temperature range/温度范围	-65°C to +165°C			
Order No/订货号	ØD1	ØD2	L1	L2
805000-00-412	1.00mm	4.10mm	3.00mm	1.50mm
805000-00-413	1.00mm	4.10mm	4.00mm	3.00mm

Male connector (介质穿墙式连接器)

Product figure



Scale diagram



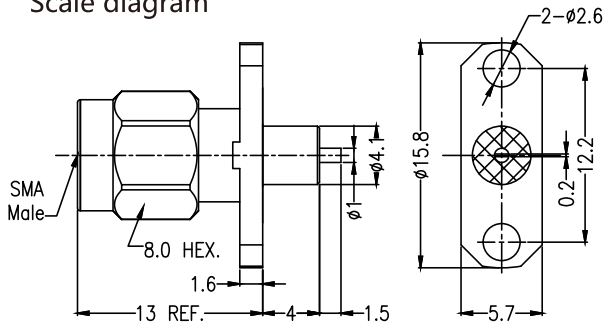
Specification/技术参数		Materials and plating/材质与电镀	
Impedance/特性阻抗	50 ohm	Body : Stainless steel/不锈钢	Passivation/钝化
Frequency range/频率范围	DC to 26.5 GHz	Contact pin : Beryllium copper	Plating 30u" gold
VSWR/电压驻波比	<1.30	Insulator : PTFE ASTM-D-1710	N/A
Durability/耐久性	>500 cycles		
Temperature range/温度范围	-65°C to +165°C		
Order No/订货号			
805000-00-414			

Male connector (介质穿墙式连接器)

Product figure



Scale diagram



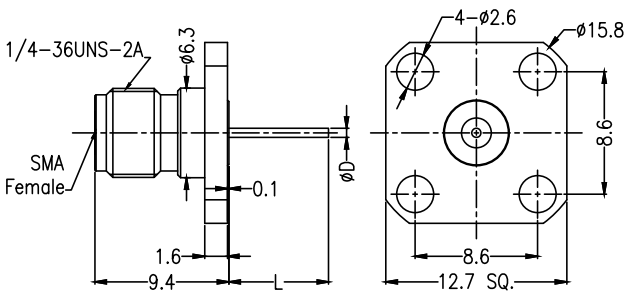
Specification/技术参数		Materials and plating/材质与电镀	
Impedance/特性阻抗	50 ohm	Body : Stainless steel/不锈钢	Passivation/钝化
Frequency range/频率范围	DC to 26.5 GHz	Contact pin : Beryllium copper	Plating 30u" gold
VSWR/电压驻波比	<1.30	Insulator : PTFE ASTM-D-1710	N/A
Durability/耐久性	>500 cycles		
Temperature range/温度范围	-65°C to +165°C		
Order No/订货号			
805000-00-415			

Female connector (空气穿墙式连接器)

Product figure



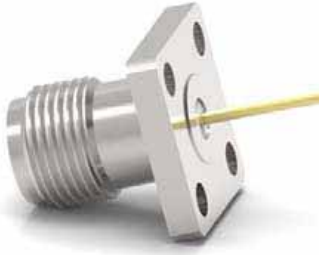
Scale diagram



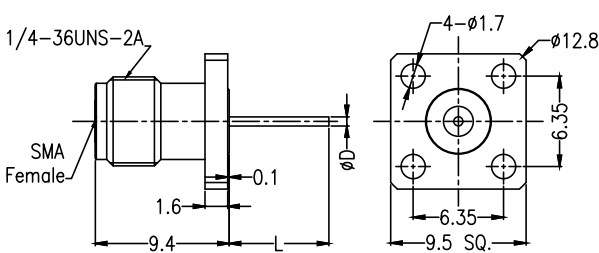
Specification/技术参数		Materials and plating/材质与电镀	
Impedance/特性阻抗	50 ohm	Body : Stainless steel/不锈钢	Passivation/钝化
Frequency range/频率范围	DC to 26.5 GHz	Contact pin : Beryllium copper	Plating 30u" gold
VSWR/电压驻波比	<1.30	Insulator : PTFE ASTM-D-1710	N/A
Durability/耐久性	>500 cycles		
Temperature range/温度范围	-65°C to +165°C		
Order No/订货号	ØD	L	
805000-00-420	0.64mm	18.0mm	
805000-00-421	0.87mm	10.92mm	
805000-00-422	0.87mm	26.0mm	

Female connector (空气穿墙式连接器)

Product figure



Scale diagram



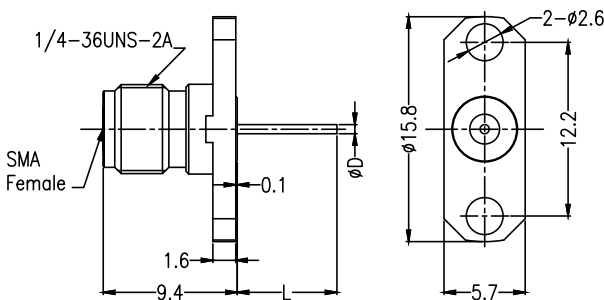
Specification/技术参数		Materials and plating/材质与电镀	
Impedance/特性阻抗	50 ohm	Body : Stainless steel/不锈钢	Passivation/钝化
Frequency range/频率范围	DC to 26.5 GHz	Contact pin : Beryllium copper	Plating 30u" gold
VSWR/电压驻波比	<1.30	Insulator : PTFE ASTM-D-1710	N/A
Durability/耐久性	>500 cycles		
Temperature range/温度范围	-65°C to +165°C		
Order No/订货号	ØD	L	
805000-00-423	0.64mm	18.0mm	
805000-00-424	0.87mm	10.92mm	
805000-00-425	0.87mm	26.0mm	

Female connector (空气穿墙式连接器)

Product figure



Scale diagram



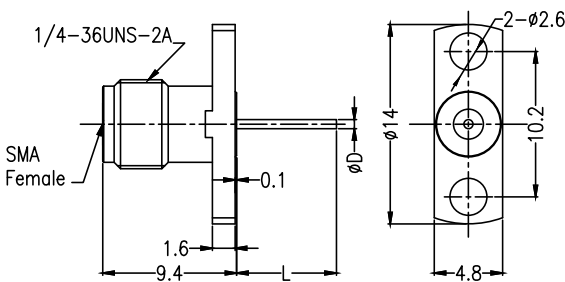
Specification/技术参数		Materials and plating/材质与电镀	
Impedance/特性阻抗	50 ohm	Body : Stainless steel/不锈钢	Passivation/钝化
Frequency range/频率范围	DC to 26.5 GHz	Contact pin : Beryllium copper	Plating 30u" gold
VSWR/电压驻波比	<1.30	Insulator : PTFE ASTM-D-1710	N/A
Durability/耐久性	>500 cycles		
Temperature range/温度范围	-65°C to +165°C		
Order No/订货号	ØD	L	
805000-00-426	0.64mm	18.0mm	
805000-00-427	0.87mm	10.92mm	
805000-00-428	0.87mm	26.0mm	

Female connector (空气穿墙式连接器)

Product figure



Scale diagram



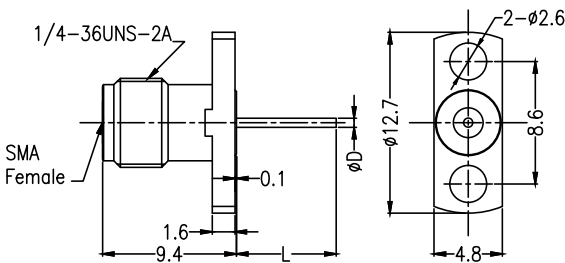
Specification/技术参数		Materials and plating/材质与电镀	
Impedance/特性阻抗	50 ohm	Body : Stainless steel/不锈钢	Passivation/钝化
Frequency range/频率范围	DC to 26.5 GHz	Contact pin : Beryllium copper	Plating 30u" gold
VSWR/电压驻波比	<1.30	Insulator : PTFE ASTM-D-1710	N/A
Durability/耐久性	>500 cycles		
Temperature range/温度范围	-65°C to +165°C		
Order No/订货号	ØD	L	
805000-00-617	0.64mm	18.0mm	
805000-00-618	0.87mm	10.92mm	

Female connector (空气穿墙式连接器)

Product figure



Scale diagram



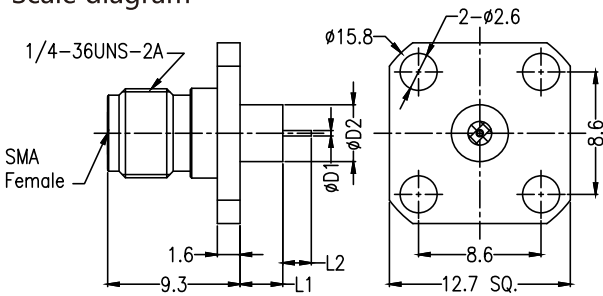
Specification/技术参数		Materials and plating/材质与电镀	
Impedance/特性阻抗	50 ohm	Body : Stainless steel/不锈钢	Passivation/钝化
Frequency range/频率范围	DC to 26.5 GHz	Contact pin : Beryllium copper	Plating 30u" gold
VSWR/电压驻波比	<1.30	Insulator : PTFE ASTM-D-1710	N/A
Durability/耐久性	>500 cycles		
Temperature range/温度范围	-65°C to +165°C		
Order No/订货号	ØD	L	
805000-00-429	0.64mm	18.0mm	
805000-00-430	0.87mm	10.92mm	
805000-00-431	0.87mm	26.0mm	

Female connector (金属穿墙式连接器)

Product figure



Scale diagram



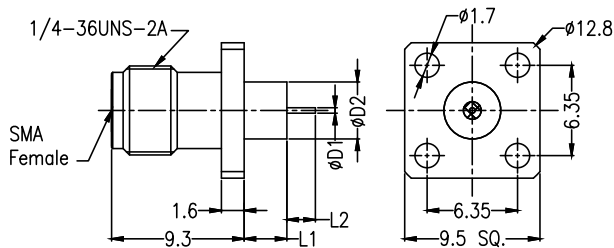
Specification/技术参数		Materials and plating/材质与电镀		
Impedance/特性阻抗	50 ohm	Body : Stainless steel/不锈钢	Passivation/钝化	
Frequency range/频率范围	DC to 26.5 GHz	Contact pin : Beryllium copper	Plating 30u" gold	
VSWR/电压驻波比	<1.30	Insulator : PTFE ASTM-D-1710	N/A	
Durability/耐久性	>500 cycles			
Temperature range/温度范围	-65°C to +165°C			
Order No/订货号	ØD1	ØD2	L1	L2
805000-00-635	0.38mm	4.00mm	3.00mm	2.00mm
805000-00-636	0.80mm	4.00mm	4.00mm	2.00mm

Female connector (金属穿墙式连接器)

Product figure



Scale diagram



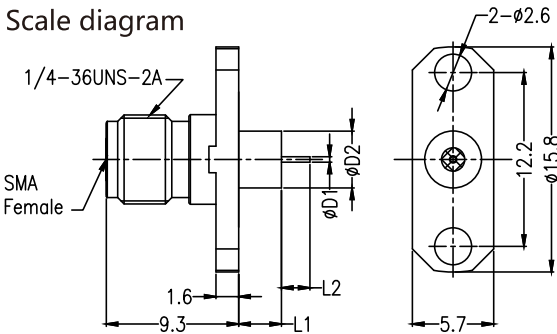
Specification/技术参数		Materials and plating/材质与电镀		
Impedance/特性阻抗	50 ohm	Body : Stainless steel/不锈钢	Passivation/钝化	
Frequency range/频率范围	DC to 26.5 GHz	Contact pin : Beryllium copper	Plating 30u" gold	
VSWR/电压驻波比	<1.30	Insulator : PTFE ASTM-D-1710	N/A	
Durability/耐久性	>500 cycles			
Temperature range/温度范围	-65°C to +165°C			
Order No/订货号	ØD1	ØD2	L1	L2
805000-00-619~620	0.38mm	4.00mm	3.00mm	2.00mm

Female connector (金属穿墙式连接器)

Product figure



Scale diagram



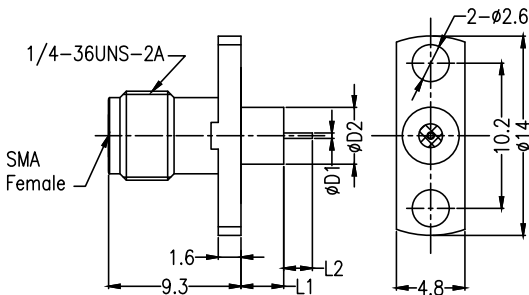
Specification/技术参数		Materials and plating/材质与电镀		
Impedance/特性阻抗	50 ohm	Body : Stainless steel/不锈钢	Passivation/钝化	
Frequency range/频率范围	DC to 26.5 GHz	Contact pin : Beryllium copper	Plating 30u" gold	
VSWR/电压驻波比	<1.30	Insulator : PTFE ASTM-D-1710	N/A	
Durability/耐久性	>500 cycles			
Temperature range/温度范围	-65°C to +165°C			
Order No/订货号	ØD1	ØD2	L1	L2
805000-00-621	0.38mm	4.00mm	3.00mm	2.00mm
805000-00-622	0.80mm	4.00mm	4.00mm	2.00mm

Female connector (金属穿墙式连接器)

Product figure



Scale diagram



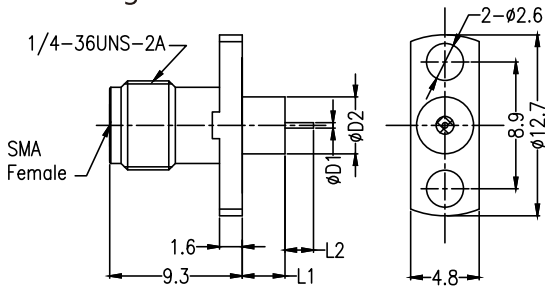
Specification/技术参数		Materials and plating/材质与电镀		
Impedance/特性阻抗	50 ohm	Body : Stainless steel/不锈钢	Passivation/钝化	
Frequency range/频率范围	DC to 26.5 GHz	Contact pin : Beryllium copper	Plating 30u" gold	
VSWR/电压驻波比	<1.30	Insulator : PTFE ASTM-D-1710	N/A	
Durability/耐久性	>500 cycles			
Temperature range/温度范围	-65°C to +165°C			
Order No/订货号	ØD1	ØD2	L1	L2
805000-00-623	0.38mm	4.00mm	3.00mm	2.00mm
805000-00-624	0.80mm	4.00mm	4.00mm	2.00mm

Female connector (金属穿墙式连接器)

Product figure



Scale diagram



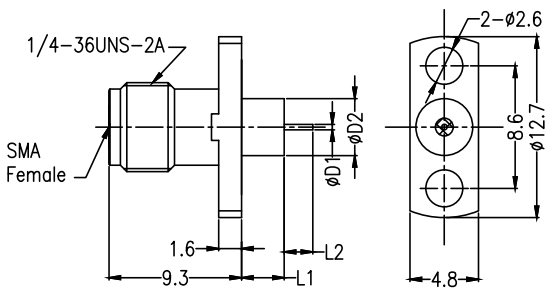
Specification/技术参数		Materials and plating/材质与电镀		
Impedance/特性阻抗	50 ohm	Body : Stainless steel/不锈钢	Passivation/钝化	
Frequency range/频率范围	DC to 26.5 GHz	Contact pin : Beryllium copper	Plating 30u" gold	
VSWR/电压驻波比	<1.30	Insulator : PTFE ASTM-D-1710	N/A	
Durability/耐久性	>500 cycles			
Temperature range/温度范围	-65°C to +165°C			
Order No/订货号	ØD1	ØD2	L1	L2
805000-00-625	0.38mm	4.00mm	3.00mm	2.00mm
805000-00-626	0.80mm	4.00mm	4.00mm	2.00mm

Female connector (金属穿墙式连接器)

Product figure



Scale diagram



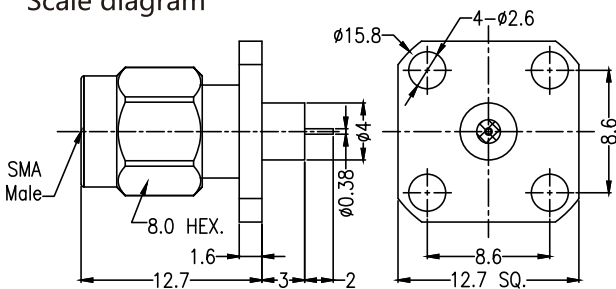
Specification/技术参数		Materials and plating/材质与电镀		
Impedance/特性阻抗	50 ohm	Body : Stainless steel/不锈钢	Passivation/钝化	
Frequency range/频率范围	DC to 26.5 GHz	Contact pin : Beryllium copper	Plating 30u" gold	
VSWR/电压驻波比	<1.30	Insulator : PTFE ASTM-D-1710	N/A	
Durability/耐久性	>500 cycles			
Temperature range/温度范围	-65°C to +165°C			
Order No/订货号	ØD1	ØD2	L1	L2
805000-00-627	0.38mm	4.00mm	3.00mm	2.00mm
805000-00-628	0.80mm	4.00mm	4.00mm	2.00mm

Male connector (金属穿墙式连接器)

Product figure



Scale diagram



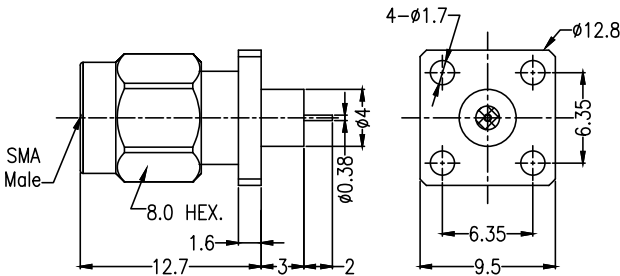
Specification/技术参数		Materials and plating/材质与电镀	
Impedance/特性阻抗	50 ohm	Body : Stainless steel/不锈钢	Passivation/钝化
Frequency range/频率范围	DC to 26.5 GHz	Contact pin : Beryllium copper	Plating 30u" gold
VSWR/电压驻波比	<1.30	Insulator : PTFE ASTM-D-1710	N/A
Durability/耐久性	>500 cycles		
Temperature range/温度范围	-65°C to +165°C		
Order No/订货号			
805000-00-629			

Male connector (金属穿墙式连接器)

Product figure



Scale diagram



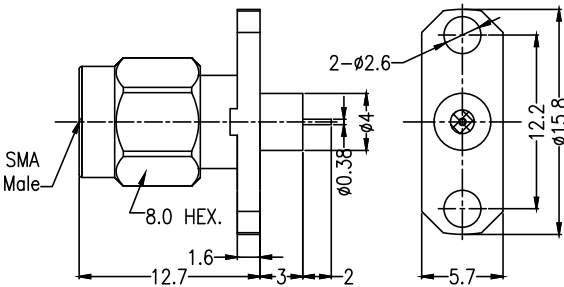
Specification/技术参数		Materials and plating/材质与电镀	
Impedance/特性阻抗	50 ohm	Body : Stainless steel/不锈钢	Passivation/钝化
Frequency range/频率范围	DC to 26.5 GHz	Contact pin : Beryllium copper	Plating 30u" gold
VSWR/电压驻波比	<1.30	Insulator : PTFE ASTM-D-1710	N/A
Durability/耐久性	>500 cycles		
Temperature range/温度范围	-65°C to +165°C		
Order No/订货号			
805000-00-630			

Male connector (金属穿墙式连接器)

Product figure



Scale diagram



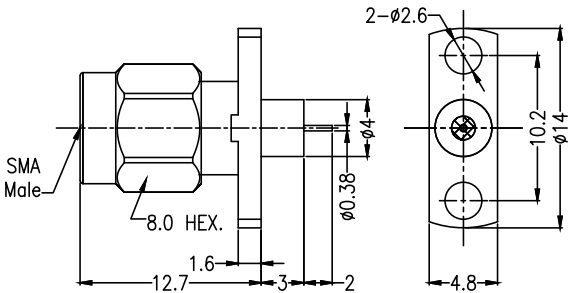
Specification/技术参数		Materials and plating/材质与电镀	
Impedance/特性阻抗	50 ohm	Body : Stainless steel/不锈钢	Passivation/钝化
Frequency range/频率范围	DC to 26.5 GHz	Contact pin : Beryllium copper	Plating 30u" gold
VSWR/电压驻波比	<1.30	Insulator : PTFE ASTM-D-1710	N/A
Durability/耐久性	>500 cycles		
Temperature range/温度范围	-65°C to +165°C		
Order No/订货号			
805000-00-632			

Male connector (金属穿墙式连接器)

Product figure



Scale diagram



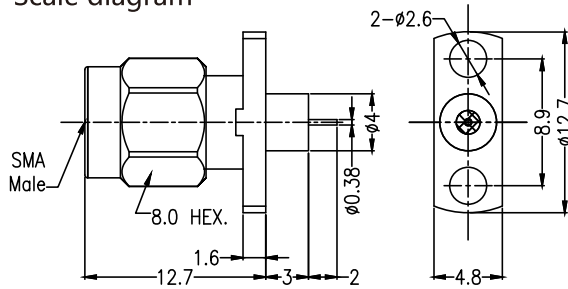
Specification/技术参数		Materials and plating/材质与电镀	
Impedance/特性阻抗	50 ohm	Body : Stainless steel/不锈钢	Passivation/钝化
Frequency range/频率范围	DC to 26.5 GHz	Contact pin : Beryllium copper	Plating 30u" gold
VSWR/电压驻波比	<1.30	Insulator : PTFE ASTM-D-1710	N/A
Durability/耐久性	>500 cycles		
Temperature range/温度范围	-65°C to +165°C		
Order No/订货号			
805000-00-633			

Male connector (金属穿墙式连接器)

Product figure



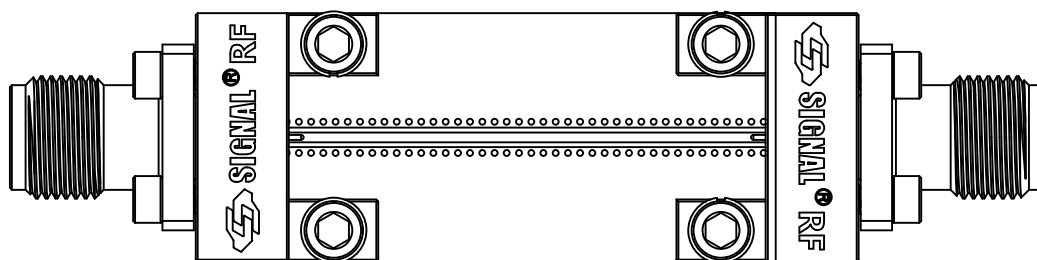
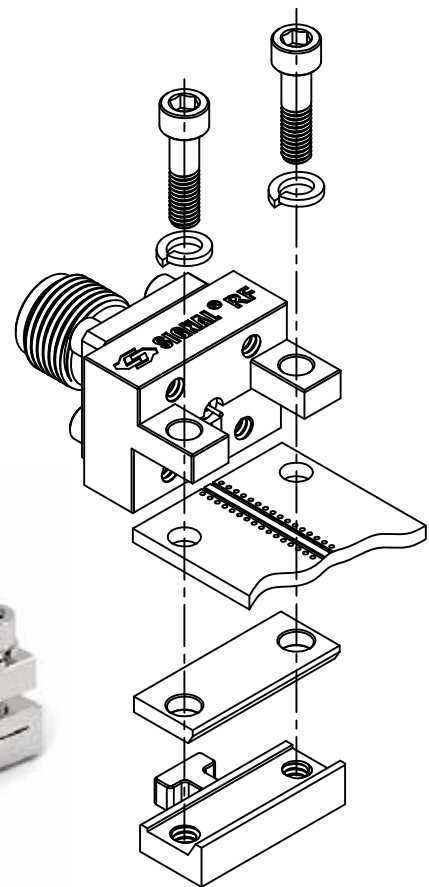
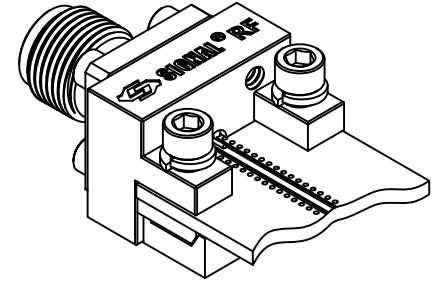
Scale diagram



Specification/技术参数		Materials and plating/材质与电镀	
Impedance/特性阻抗	50 ohm	Body : Stainless steel/不锈钢	Passivation/钝化
Frequency range/频率范围	DC to 26.5 GHz	Contact pin : Beryllium copper	Plating 30u" gold
VSWR/电压驻波比	<1.30	Insulator : PTFE ASTM-D-1710	N/A
Durability/耐久性	>500 cycles		
Temperature range/温度范围	-65°C to +165°C		
Order No/订货号			
805000-00-634			

Features:

- Now available in: SMA (26.5 GHz), 2.92 mm (40 GHz), 2.40 mm (50 GHz)
- Low VSWR
- Low Insertion Loss
- Multiple launch configurations to optimize match to circuit
- Optimum performance when board launch geometry is grounded coplanar (CPWG) or top ground microstrip
- Unique clamping mechanism accommodates a wide range of board thicknesses (up to .110") while providing a continuous ground connection between end launch and circuit board.
- Launch overhang that allows ground to be picked up close to the launch point
- Universal, robust & reusable
- No soldering required
- Connectors ship fully assembled (board not included)

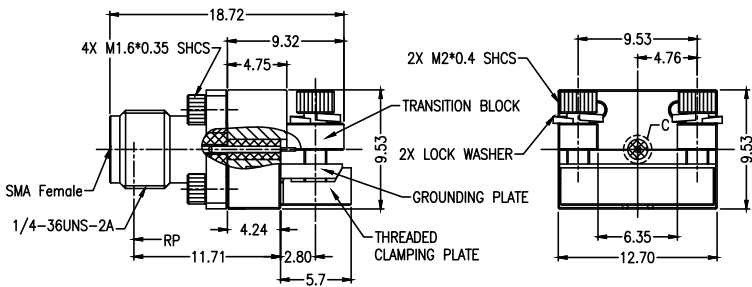


SMA Female connector

Product figure



Scale diagram



Materials and plating/材质与电镀

Description/描述	Materials/材质	Plating/电镀
Body/主体	Stainless steel/不锈钢	Passivation/钝化
Contact pin/中心针	Beryllium copper C17300/铍青铜	Plating 30u" gold/镀金 30u"
Insulator/绝缘体	PTFE ASTM-D-1710	N/A

Specification/技术参数

Electrical parameters/电气性能	
Impedance/特性阻抗	50 ohm
Frequency range/频率范围	DC to 26.5 GHz
Voltage rating/工作电压	335 V(rms)
Dielectric withstanding voltage/介质耐压	> 500 V
Center contact resistance/中心接触电阻	< 3.0mΩ
Outer contact resistance/外接触电阻	< 2.0mΩ
Insulation resistance/绝缘电阻	> 5000MΩ
Insertion loss/插入损耗	< 0.10 x $\sqrt{f(\text{GHz})}$ dB
VSWR/电压驻波比	< 1.40
Mechanical parameters/机械性能	
Center contact retention force/中心针保持力	> 6 LBS
Durability/耐久性	> 500 cycles
Environmental parameters/环境参数	
Temperature range/温度范围	-55°C to +165°C

Order data/订货信息

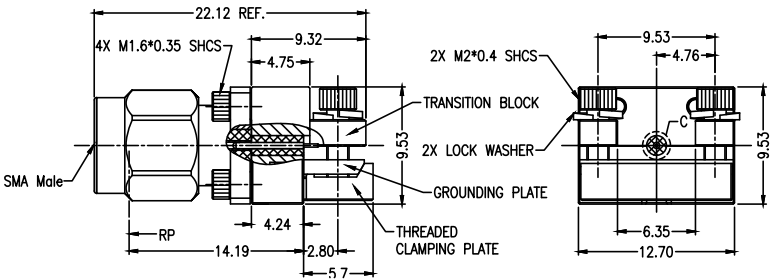
Order No/订货号	
805000-00-637	

SMA Male connector

Product figure



Scale diagram



Materials and plating/材质与电镀

Description/描述	Materials/材质	Plating/电镀
Body/主体	Stainless steel/不锈钢	Passivation/钝化
Contact pin/中心针	Beryllium copper C17300/铍青铜	Plating 30u" gold/镀金 30u"
Insulator/绝缘体	PTFE ASTM-D-1710	N/A

Specification/技术参数

Electrical parameters/电气性能	
Impedance/特性阻抗	50 ohm
Frequency range/频率范围	DC to 26.5 GHz
Voltage rating/工作电压	335 V(rms)
Dielectric withstanding voltage/介质耐压	> 500 V
Center contact resistance/中心接触电阻	< 3.0mΩ
Outer contact resistance/外接触电阻	< 2.0mΩ
Insulation resistance/绝缘电阻	> 5000MΩ
Insertion loss/插入损耗	< 0.10 x $\sqrt{f(\text{GHz})}$ dB
VSWR/电压驻波比	< 1.40
Mechanical parameters/机械性能	
Center contact retention force/中心针保持力	> 6 LBS
Durability/耐久性	> 500 cycles
Environmental parameters/环境参数	
Temperature range/温度范围	-55°C to +165°C

Order data/订货信息

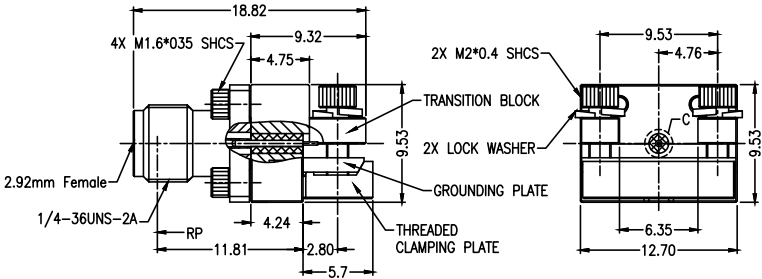
Order No/订货号	
805000-00-638	

2.92mm Female connector

Product figure



Scale diagram



Materials and plating/材质与电镀

Description/描述	Materials/材质	Plating/电镀
Body/主体	Stainless steel/不锈钢	Passivation/钝化
Contact pin/中心针	Beryllium copper C17300/铍青铜	Plating 30u" gold/镀金 30u"
Insulator/绝缘体	PTFE ASTM-D-1710 & PEI	N/A

Specification/技术参数

Electrical parameters/电气性能	
Impedance/特性阻抗	50 ohm
Frequency range/频率范围	DC to 40 GHz
Voltage rating/工作电压	250 V(rms)
Dielectric withstanding voltage/介质耐压	>750 V
Center contact resistance/中心接触电阻	<3.0mΩ
Outer contact resistance/外接电阻	<2.0mΩ
Insulation resistance/绝缘电阻	>5000MΩ
Insertion loss/插入损耗	<0.10 x $\sqrt{f(\text{GHz})}$ dB
VSWR/电压驻波比	<1.50
Mechanical parameters/机械性能	
Center contact retention force/中心针保持力	>6 LBS
Durability/耐久性	>500 cycles
Environmental parameters/环境参数	
Temperature range/温度范围	-55°C to +125°C

Order data/订货信息

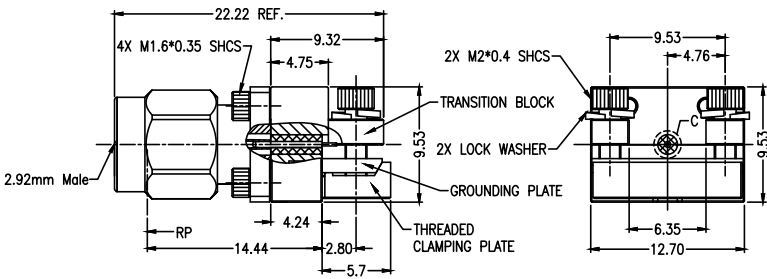
Order No/订货号	
805000-00-345	

2.92mm Male connector

Product figure



Scale diagram



Materials and plating/材质与电镀

Description/描述	Materials/材质	Plating/电镀
Body/主体	Stainless steel/不锈钢	Passivation/钝化
Contact pin/中心针	Beryllium copper C17300/铍青铜	Plating 30u" gold/镀金 30u"
Insulator/绝缘体	PTFE ASTM-D-1710 & PEI	N/A

Specification/技术参数

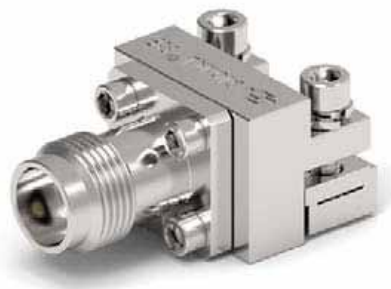
Electrical parameters/电气性能	
Impedance/特性阻抗	50 ohm
Frequency range/频率范围	DC to 40 GHz
Voltage rating/工作电压	250 V(rms)
Dielectric withstanding voltage/介质耐压	> 750 V
Center contact resistance/中心接触电阻	< 3.0mΩ
Outer contact resistance/外接触电阻	< 2.0mΩ
Insulation resistance/绝缘电阻	> 5000MΩ
Insertion loss/插入损耗	< 0.10 x $\sqrt{f(\text{GHz})}$ dB
VSWR/电压驻波比	< 1.50
Mechanical parameters/机械性能	
Center contact retention force/中心针保持力	> 6 LBS
Durability/耐久性	> 500 cycles
Environmental parameters/环境参数	
Temperature range/温度范围	-55°C to +125°C

Order data/订货信息

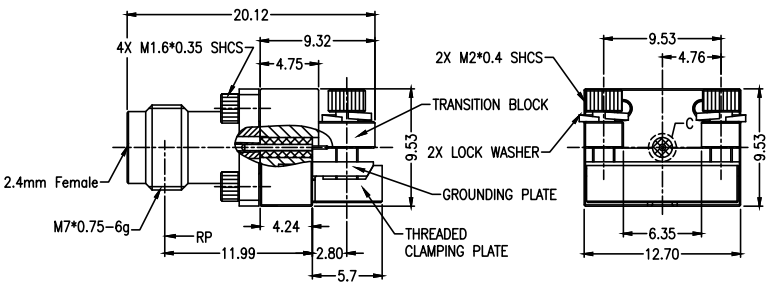
Order No/订货号	
805000-00-639	

2.40mm Female connector

Product figure



Scale diagram



Materials and plating/材质与电镀

Description/描述	Materials/材质	Plating/电镀
Body/主体	Stainless steel/不锈钢	Passivation/钝化
Contact pin/中心针	Beryllium copper C17300/铍青铜	Plating 30u" gold/镀金 30u"
Insulator/绝缘体	PTFE ASTM-D-1710 & PEI	N/A

Specification/技术参数

Electrical parameters/电气性能	
Impedance/特性阻抗	50 ohm
Frequency range/频率范围	DC to 50 GHz
Voltage rating/工作电压	150 V(rms)
Dielectric withstanding voltage/介质耐压	> 500 V
Center contact resistance/中心接触电阻	<4.0mΩ
Outer contact resistance/外接电阻	<2.5mΩ
Insulation resistance/绝缘电阻	> 5000MΩ
Insertion loss/插入损耗	<0.10 x $\sqrt{f(\text{GHz})}$ dB
VSWR/电压驻波比	<1.60
Mechanical parameters/机械性能	
Center contact retention force/中心针保持力	> 6 LBS
Durability/耐久性	> 500 cycles
Environmental parameters/环境参数	
Temperature range/温度范围	-55°C to +125°C

Order data/订货信息

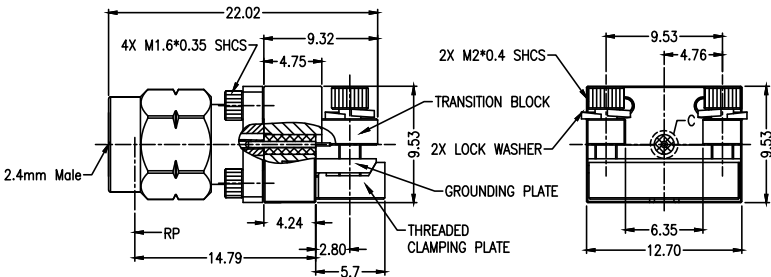
Order No/订货号	
805000-00-646	

2.40mm Male connector

Product figure



Scale diagram



Materials and plating/材质与电镀

Description/描述	Materials/材质	Plating/电镀
Body/主体	Stainless steel/不锈钢	Passivation/钝化
Contact pin/中心针	Beryllium copper C17300/铍青铜	Plating 30u" gold/镀金 30u"
Insulator/绝缘体	PTFE ASTM-D-1710 & PEI	N/A

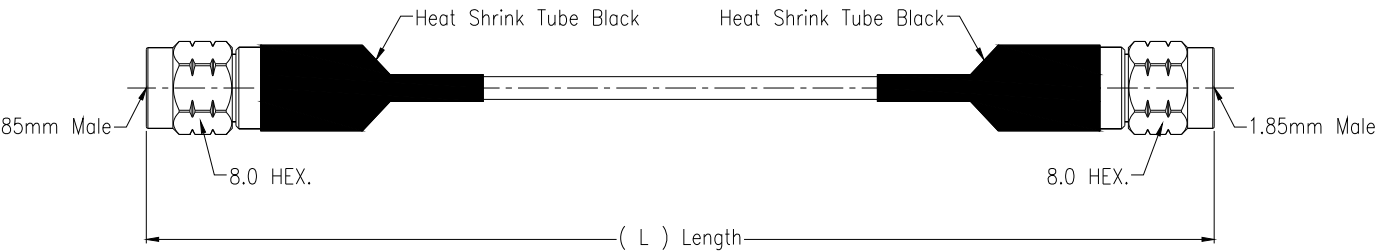
Specification/技术参数

Electrical parameters/电气性能	
Impedance/特性阻抗	50 ohm
Frequency range/频率范围	DC to 50 GHz
Voltage rating/工作电压	150 V(rms)
Dielectric withstanding voltage/介质耐压	> 500 V
Center contact resistance/中心接触电阻	<4.0mΩ
Outer contact resistance/外接触电阻	<2.5mΩ
Insulation resistance/绝缘电阻	> 5000MΩ
Insertion loss/插入损耗	<0.10 x $\sqrt{f(\text{GHz})}$ dB
VSWR/电压驻波比	<1.60
Mechanical parameters/机械性能	
Center contact retention force/中心针保持力	> 6 LBS
Durability/耐久性	> 500 cycles
Environmental parameters/环境参数	
Temperature range/温度范围	-55°C to +125°C

Order data/订货信息

Order No/订货号	
805000-00-647	

1.85mm Male to 1.85mm Male



Materials and plating/材质与电镀

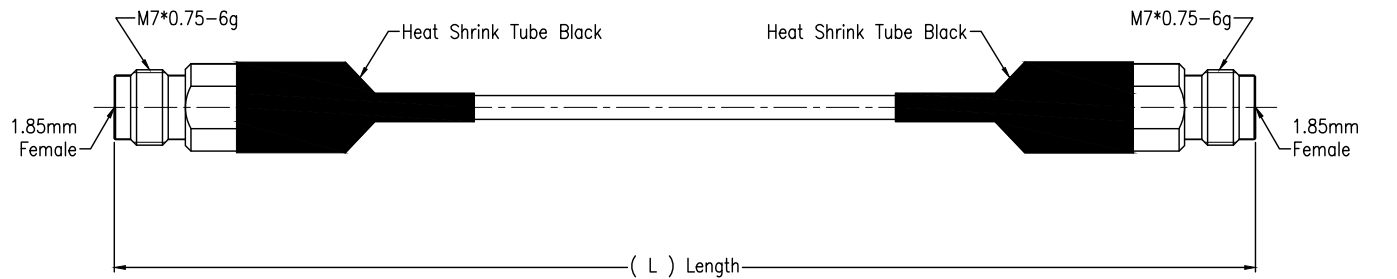
Description/描述	Materials/材质	Plating/电镀
Body/主体	Stainless steel/不锈钢	Passivation/钝化
Contact pin/中心针	Beryllium copper/铍青铜	Plating 30u" gold/镀金 30u"
Insulator/绝缘体	UNFILLED ULTEM 1000 PEI	N/A

Specification/技术参数

Connector Specification/连接器规格		Cable Specification/电缆规格	
Impedance/特性阻抗	50 ohm	Cable/电缆	SLR-670
Frequency range/频率范围	DC to 67 GHz	Velocity of Propagation/传播速率	74%
Voltage rating/工作电压	150 V(rms)	Shielding Effectiveness/屏蔽效率	>90 dB
Dielectric withstanding voltage/介质耐压	> 500 V	Mechanical Phase/弯曲相位	±5°@67GHz
Center contact resistance/中心接触电阻	<4.0mΩ	Temperature Phase/温度相位	1100PPM(-55-85)
Outer contact resistance/外接触电阻	<2.5mΩ	Amplitude Stability/幅度稳定	±0.05dB@67GHz
Insulation resistance/绝缘电阻	>5000MΩ	Bend Radius:installation	11mm
VSWR/电压驻波比	<1.30 @ DC~40GHz	Bend Radius:repeated	28mm
	<1.40 @ 40~67GHz	Weight/重量	20g/m
Mechanical parameters/机械性能			
Center contact retention force/中心针保持力	>20 N		
Coupling test torque/测试耦合扭矩	1.65 Nm		
Recommended torque/推荐扭矩	0.8 Nm to 1.10 Nm		
Durability/耐久性	>500 cycles		
Environmental parameters/环境参数			
Temperature range/温度范围	-40°C to +125°C		

Order No/订货号	Length(mm)	Insulation loss(dB/GHz)			
		6	26.5	40	67
805001-00-020	500±20	<1.11	<2.43	<3.04	<4.05
805001-00-021	1000±30	<1.92	<4.25	<5.33	<7.12
805001-00-022	1500±40	<2.74	<6.06	<7.61	<10.2
805001-00-023	2000±50	<3.55	<7.88	<9.90	<13.3
Calculate Attenuation/衰减计算: IL(dB)= $\left[\left(1.95\sqrt{F\text{ Mhz}}\right)+\left(0.00145\ast F\text{ Mhz}\right)/100\right]/1000\ast L(\text{Meter})\ast 1.02+\left(\sqrt{F\text{ GHz}}\ast 0.12\right)$					

1.85mm Female to 1.85mm Female



Materials and plating/材质与电镀

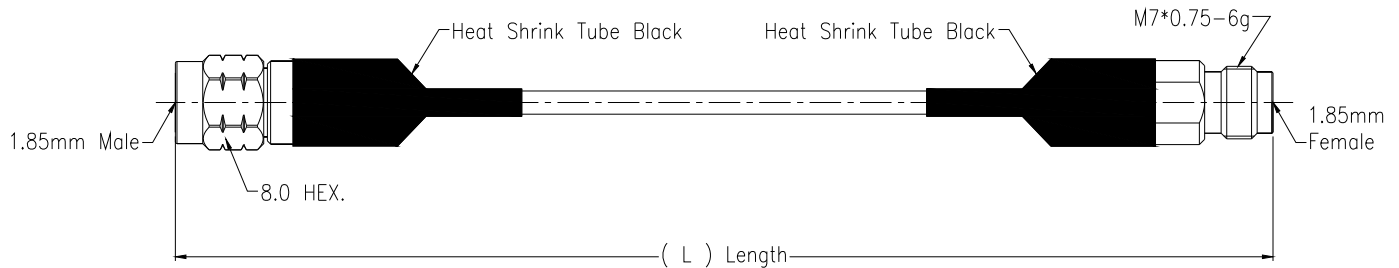
Description/描述	Materials/材质	Plating/电镀
Body/主体	Stainless steel/不锈钢	Passivation/钝化
Contact pin/中心针	Beryllium copper/铍青铜	Plating 30u" gold/镀金 30u"
Insulator/绝缘体	UNFILLED ULTEM 1000 PEI	N/A

Specification/技术参数

Connector Specification/连接器规格		Cable Specification/电缆规格	
Impedance/特性阻抗	50 ohm	Cable/电缆	SLR-670
Frequency range/频率范围	DC to 67 GHz	Velocity of Propagation/传播速率	74%
Voltage rating/工作电压	150 V(rms)	Sheilding Effectiveness/屏蔽效率	>90 dB
Dielectric withstanding voltage/介质耐压	> 500 V	Mechanical Phase/弯曲相位	±5°@67GHz
Center contact resistance/中心接触电阻	<4.0mΩ	Temperature Phase/温度相位	1100PPM(-55-85)
Outer contact resistance/外接触电阻	<2.5mΩ	Amplitude Stability/幅度稳定	±0.05dB@67GHz
Insulation resistance/绝缘电阻	> 5000MΩ	Bend Radius:installation	11mm
VSWR/电压驻波比	<1.30 @ DC~40GHz	Bend Radius:repeated	28mm
	<1.40 @ 40~67GHz	Weight/重量	20g/m
Mechanical parameters/机械性能			
Center contact retention force/中心针保持力	>20 N		
Coupling test torque/测试耦合扭矩	1.65 Nm		
Recommended torque/推荐扭矩	0.8 Nm to 1.10 Nm		
Durability/耐久性	>500 cycles		
Environmental parameters/环境参数			
Temperature range/温度范围	-40℃ to +125℃		

Order No/订货号	Length(mm)	Insulation loss(dB/GHz)			
		6	26.5	40	67
805001-00-024	500±20	<1.11	<2.43	<3.04	<4.05
805001-00-025	1000±30	<1.92	<4.25	<5.33	<7.12
805001-00-026	1500±40	<2.74	<6.06	<7.61	<10.2
805001-00-027	2000±50	<3.55	<7.88	<9.90	<13.3
Calculate Attenuation/衰减计算: IL(dB)= $\left[\left(1.95\sqrt{F\text{ Mhz}}\right)+\left(0.00145\ast F\text{ Mhz}\right)/100\right]/1000\ast L(\text{Meter})\ast 1.02+\left(\sqrt{F\text{ GHz}}\ast 0.12\right)$					

1.85mm Male to 1.85mm Female



Materials and plating/材质与电镀

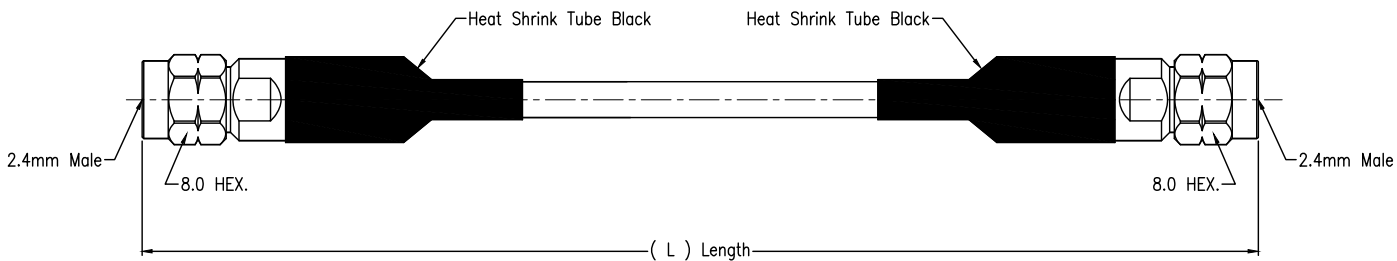
Description/描述	Materials/材质	Plating/电镀
Body/主体	Stainless steel/不锈钢	Passivation/钝化
Contact pin/中心针	Beryllium copper/铍青铜	Plating 30u" gold/镀金 30u"
Insulator/绝缘体	UNFILLED ULTEM 1000 PEI	N/A

Specification/技术参数

Connector Specification/连接器规格		Cable Specification/电缆规格	
Impedance/特性阻抗	50 ohm	Cable/电缆	SLR-670
Frequency range/频率范围	DC to 67 GHz	Velocity of Propagation/传播速率	74%
Voltage rating/工作电压	150 V(rms)	Shielding Effectiveness/屏蔽效率	>90 dB
Dielectric withstanding voltage/介质耐压	>500 V	Mechanical Phase/弯曲相位	±5°@67GHz
Center contact resistance/中心接触电阻	<4.0mΩ	Temperature Phase/温度相位	1100PPM(-55-85)
Outer contact resistance/外接触电阻	<2.5mΩ	Amplitude Stability/幅度稳定	±0.05dB@67GHz
Insulation resistance/绝缘电阻	>5000MΩ	Bend Radius:installation	11mm
VSWR/电压驻波比	<1.30 @ DC~40GHz	Bend Radius:repeated	28mm
	<1.40 @ 40~67GHz	Weight/重量	20g/m
Mechanical parameters/机械性能			
Center contact retention force/中心针保持力	>20 N		
Coupling test torque/测试耦合扭矩	1.65 Nm		
Recommended torque/推荐扭矩	0.8 Nm to 1.10 Nm		
Durability/耐久性	>500 cycles		
Environmental parameters/环境参数			
Temperature range/温度范围	-40°C to +125°C		

Order No/订货号	Length(mm)	Insulation loss(dB/GHz)			
		6	26.5	40	67
805001-00-028	500±20	<1.11	<2.43	<3.04	<4.05
805001-00-029	1000±30	<1.92	<4.25	<5.33	<7.12
805001-00-030	1500±40	<2.74	<6.06	<7.61	<10.2
805001-00-031	2000±50	<3.55	<7.88	<9.90	<13.3
Calculate Attenuation/衰减计算: $IL(dB) = [(1.95 \sqrt{F \text{ Mhz}}) + (0.00145 * F \text{ Mhz}) / 100] / 1000 * L(\text{Meter}) * 1.02 + (\sqrt{F \text{ GHz}} * 0.12)$					

2.4mm Male to 2.4mm Male



Materials and plating/材质与电镀

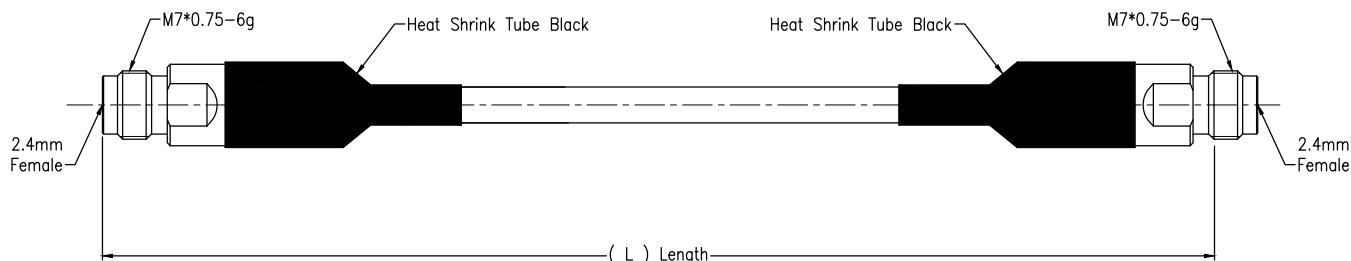
Description/描述	Materials/材质	Plating/电镀
Body/主体	Stainless steel/不锈钢	Passivation/钝化
Contact pin/中心针	Beryllium copper/铍青铜	Plating 30u" gold/镀金 30u"
Insulator/绝缘体	UNFILLED ULTEM 1000 PEI	N/A

Specification/技术参数

Connector Specification/连接器规格		Cable Specification/电缆规格	
Impedance/特性阻抗	50 ohm	Cable/电缆	STA-142
Frequency range/频率范围	DC to 40 GHz	Velocity of Propagation/传播速率	83%
Voltage rating/工作电压	150 V(rms)	Shielding Effectiveness/屏蔽效率	>90 dB
Dielectric withstanding voltage/介质耐压	>500 V	Mechanical Phase/弯曲相位	±5°@40GHz
Center contact resistance/中心接触电阻	<4.0mΩ	Temperature Phase/温度相位	750PPM(-40-100)
Outer contact resistance/外接触电阻	<2.5mΩ	Amplitude Stability/幅度稳定	±0.05dB@40GHz
Insulation resistance/绝缘电阻	>5000MΩ	Bend Radius:installation	18mm
VSWR/电压驻波比	<1.20 @ DC~18GHz	Bend Radius:repeated	36mm
	<1.30 @ 18~40GHz	Weight/重量	33g/m
Mechanical parameters/机械性能		Replace to:	
Center contact retention force/中心针保持力	>20 N	MCC	UFB142A
Coupling test torque/测试耦合扭矩	1.65 Nm	GORE	3507
Recommended torque/推荐扭矩	0.8 Nm to 1.10 Nm	IW	1401
Durability/耐久性	>500 cycles		
Environmental parameters/环境参数			
Temperature range/温度范围	-40°C to +125°C		

Order No/订货号	Length(mm)	Insulation loss(dB/GHz)			
		6	18	26.5	40
805001-00-032	500±20	<0.77	<1.36	<1.66	<2.06
805001-00-033	1000±30	<1.25	<2.21	<2.71	<3.37
805001-00-034	1500±40	<1.73	<3.06	<3.75	<4.67
805001-00-035	2000±50	<2.21	<3.91	<4.80	<5.98
Calculate Attenuation/衰减计算: IL(dB)= $\left[\left(1.16847\sqrt{F\text{ Mhz}}\right)+\left(0.00055\cdot F\text{ Mhz}\right)/100\right]/1000\cdot L(\text{Meter})\cdot 1.02+\left(\sqrt{F\text{ GHz}}\cdot 0.12\right)$					

2.4mm Female to 2.4mm Female



Materials and plating/材质与电镀

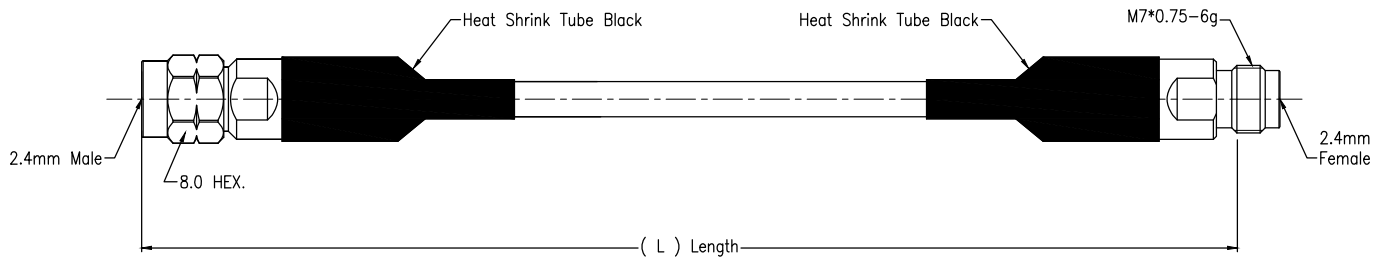
Description/描述	Materials/材质	Plating/电镀
Body/主体	Stainless steel/不锈钢	Passivation/钝化
Contact pin/中心针	Beryllium copper/铍青铜	Plating 30u" gold/镀金 30u"
Insulator/绝缘体	UNFILLED ULTEM 1000 PEI	N/A

Specification/技术参数

Connector Specification/连接器规格		Cable Specification/电缆规格	
Impedance/特性阻抗	50 ohm	Cable/电缆	STA-142
Frequency range/频率范围	DC to 40 GHz	Velocity of Propagation/传播速率	83%
Voltage rating/工作电压	150 V(rms)	Shielding Effectiveness/屏蔽效率	>90 dB
Dielectric withstanding voltage/介质耐压	>500 V	Mechanical Phase/弯曲相位	±5°@40GHz
Center contact resistance/中心接触电阻	<4.0mΩ	Temperature Phase/温度相位	750PPM(-40-100)
Outer contact resistance/外接触电阻	<2.5mΩ	Amplitude Stability/幅度稳定	±0.05dB@40GHz
Insulation resistance/绝缘电阻	>5000MΩ	Bend Radius:installation	18mm
VSWR/电压驻波比	<1.20 @ DC~18GHz	Bend Radius:repeated	36mm
	<1.30 @ 18~40GHz	Weight/重量	33g/m
Mechanical parameters/机械性能		Replace to:	
Center contact retention force/中心针保持力	>20 N	MCC	UFB142A
Coupling test torque/测试耦合扭矩	1.65 Nm	GORE	3507
Recommended torque/推荐扭矩	0.8 Nm to 1.10 Nm	IW	1401
Durability/耐久性	>500 cycles		
Environmental parameters/环境参数			
Temperature range/温度范围	-40°C to +125°C		

Order No/订货号	Length(mm)	Insulation loss(dB/GHz)			
		6	18	26.5	40
805001-00-036	500±20	<0.77	<1.36	<1.66	<2.06
805001-00-037	1000±30	<1.25	<2.21	<2.71	<3.37
805001-00-038	1500±40	<1.73	<3.06	<3.75	<4.67
805001-00-039	2000±50	<2.21	<3.91	<4.80	<5.98
Calculate Attenuation/衰减计算: IL(dB)=[(1.16847*√F Mhz)+(0.00055*F Mhz)/100]/1000*L(Meter)*1.02+(√F GHz*0.12)					

2.4mm Male to 2.4mm Female



Materials and plating/材质与电镀

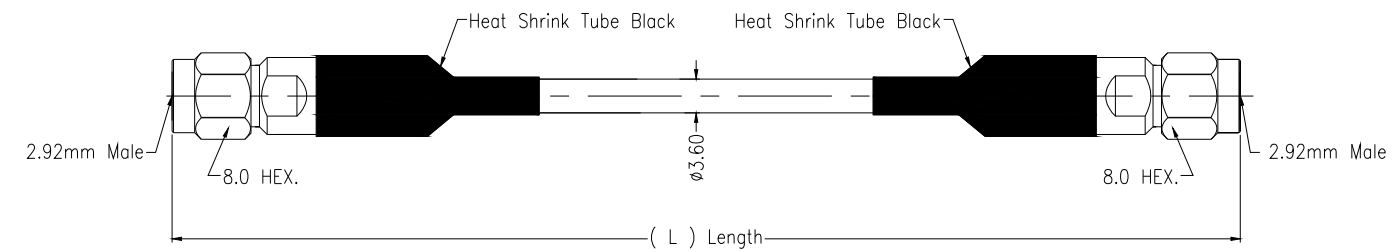
Description/描述	Materials/材质	Plating/电镀
Body/主体	Stainless steel/不锈钢	Passivation/钝化
Contact pin/中心针	Beryllium copper/铍青铜	Plating 30u" gold/镀金 30u"
Insulator/绝缘体	UNFILLED ULTEM 1000 PEI	N/A

Specification/技术参数

Connector Specification/连接器规格		Cable Specification/电缆规格	
Impedance/特性阻抗	50 ohm	Cable/电缆	STA-142
Frequency range/频率范围	DC to 40 GHz	Velocity of Propagation/传播速率	83%
Voltage rating/工作电压	150 V(rms)	Shielding Effectiveness/屏蔽效率	>90 dB
Dielectric withstanding voltage/介质耐压	>500 V	Mechanical Phase/弯曲相位	±5°@40GHz
Center contact resistance/中心接触电阻	<4.0mΩ	Temperature Phase/温度相位	750PPM(-40-100)
Outer contact resistance/外接触电阻	<2.5mΩ	Amplitude Stability/幅度稳定	±0.05dB@40GHz
Insulation resistance/绝缘电阻	>5000MΩ	Bend Radius:installation	18mm
VSWR/电压驻波比	<1.20 @ DC~18GHz	Bend Radius:repeated	36mm
	<1.30 @ 18~40GHz	Weight/重量	33g/m
Mechanical parameters/机械性能		Replace to:	
Center contact retention force/中心针保持力	>20 N	MCC	UFB142A
Coupling test torque/测试耦合扭矩	1.65 Nm	GORE	3507
Recommended torque/推荐扭矩	0.8 Nm to 1.10 Nm	IW	1401
Durability/耐久性	>500 cycles		
Environmental parameters/环境参数			
Temperature range/温度范围	-40°C to +125°C		

Order No/订货号	Length(mm)	Insulation loss(dB/GHz)			
		6	18	26.5	40
805001-00-040	500±20	<0.77	<1.36	<1.66	<2.06
805001-00-041	1000±30	<1.25	<2.21	<2.71	<3.37
805001-00-042	1500±40	<1.73	<3.06	<3.75	<4.67
805001-00-043	2000±50	<2.21	<3.91	<4.80	<5.98
Calculate Attenuation/衰减计算: IL(dB)=[(1.16847*√F Mhz)+(0.00055*F Mhz)/100]/1000*L(Meter)*1.02+(√F GHz*0.12)					

2.92mm Male to 2.92mm Male



Materials and plating/材质与电镀

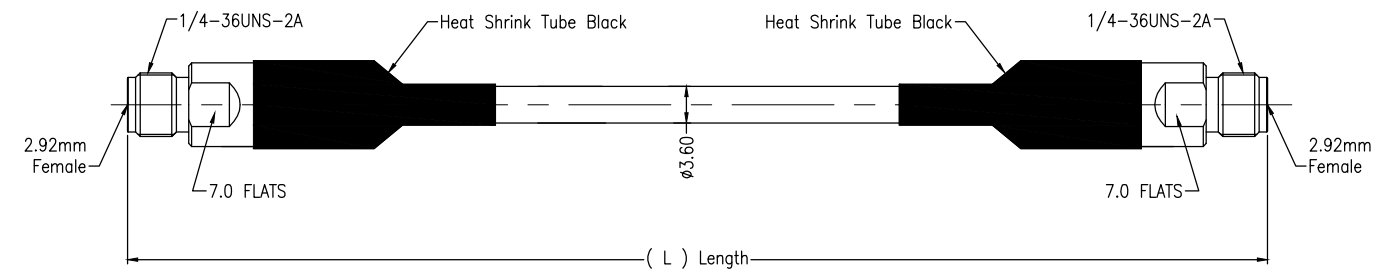
Description/描述	Materials/材质	Plating/电镀
Body/主体	Stainless steel/不锈钢	Passivation/钝化
Contact pin/中心针	Beryllium copper/铍青铜	Plating 30u" gold/镀金 30u"
Insulator/绝缘体	UNFILLED ULTEM 1000 PEI	N/A

Specification/技术参数

Connector Specification/连接器规格		Cable Specification/电缆规格	
Impedance/特性阻抗	50 ohm	Cable/电缆	STA-142
Frequency range/频率范围	DC to 40 GHz	Velocity of Propagation/传播速率	83%
Voltage rating/工作电压	250 V(rms)	Shielding Effectiveness/屏蔽效率	>90 dB
Dielectric withstanding voltage/介质耐压	>750 V	Mechanical Phase/弯曲相位	±5°@40GHz
Center contact resistance/中心接触电阻	<3.0mΩ	Temperature Phase/温度相位	750PPM(-40-100)
Outer contact resistance/外接触电阻	<2.0mΩ	Amplitude Stability/幅度稳定	±0.05dB@40GHz
Insulation resistance/绝缘电阻	>5000MΩ	Bend Radius:installation	18mm
VSWR/电压驻波比	<1.20 @ DC~18GHz	Bend Radius:repeated	36mm
	<1.30 @ 18~40GHz	Weight/重量	33g/m
Mechanical parameters/机械性能		Replace to:	
Center contact retention force/中心针保持力	>20 N	MCC	UFB142A
Coupling test torque/测试耦合扭矩	1.70 Nm	GORE	3507
Recommended torque/推荐扭矩	0.8 Nm to 1.10 Nm	IW	1401
Durability/耐久性	>500 cycles		
Environmental parameters/环境参数			
Temperature range/温度范围	-40°C to +125°C		

Order No/订货号	Length(mm)	Insulation loss(dB/GHz)			
		6	18	26.5	40
805001-00-044	500±20	<0.72	<1.27	<1.56	<1.94
805001-00-045	1000±30	<1.20	<2.12	<2.60	<3.24
805001-00-046	1500±40	<1.68	<2.97	<3.65	<4.54
805001-00-047	2000±50	<2.16	<3.82	<4.69	<5.85
Calculate Attenuation/衰减计算: IL(dB)=[(1.16847*√F Mhz)+(0.00055*F Mhz)/100]/1000*L(Meter)*1.02+(√F GHz*0.10)					

2.92mm Female to 2.92mm Female



Materials and plating/材质与电镀

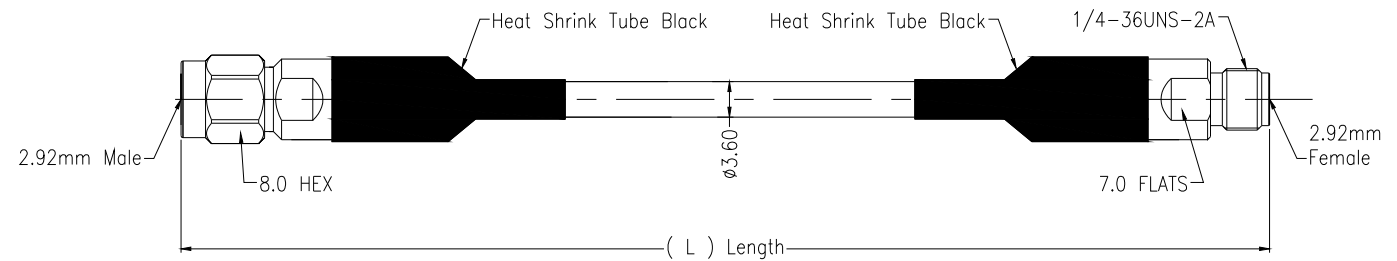
Description/描述	Materials/材质	Plating/电镀
Body/主体	Stainless steel/不锈钢	Passivation/钝化
Contact pin/中心针	Beryllium copper/铍青铜	Plating 30u" gold/镀金 30u"
Insulator/绝缘体	UNFILLED ULTEM 1000 PEI	N/A

Specification/技术参数

Connector Specification/连接器规格		Cable Specification/电缆规格	
Impedance/特性阻抗	50 ohm	Cable/电缆	STA-142
Frequency range/频率范围	DC to 40 GHz	Velocity of Propagation/传播速率	83%
Voltage rating/工作电压	250 V(rms)	Shielding Effectiveness/屏蔽效率	>90 dB
Dielectric withstanding voltage/介质耐压	>750 V	Mechanical Phase/弯曲相位	±5°@40GHz
Center contact resistance/中心接触电阻	<3.0mΩ	Temperature Phase/温度相位	750PPM(-40-100)
Outer contact resistance/外接触电阻	<2.0mΩ	Amplitude Stability/幅度稳定	±0.05dB@40GHz
Insulation resistance/绝缘电阻	>5000MΩ	Bend Radius:installation	18mm
VSWR/电压驻波比	<1.20 @ DC~18GHz	Bend Radius:repeated	36mm
	<1.30 @ 18~40GHz	Weight/重量	33g/m
Mechanical parameters/机械性能		Replace to:	
Center contact retention force/中心针保持力	>20 N	MCC	UFB142A
Coupling test torque/测试耦合扭矩	1.70 Nm	GORE	3507
Recommended torque/推荐扭矩	0.8 Nm to 1.10 Nm	IW	1401
Durability/耐久性	>500 cycles		
Environmental parameters/环境参数			
Temperature range/温度范围	-40°C to +125°C		

Order No/订货号	Length(mm)	Insulation loss(dB/GHz)			
		6	18	26.5	40
805001-00-048	500±20	<0.72	<1.27	<1.56	<1.94
805001-00-049	1000±30	<1.20	<2.12	<2.60	<3.24
805001-00-050	1500±40	<1.68	<2.97	<3.65	<4.54
805001-00-051	2000±50	<2.16	<3.82	<4.69	<5.85
Calculate Attenuation/衰减计算: IL(dB)=[(1.16847*√F Mhz)+(0.00055*F Mhz)/100]/1000*L(Meter)*1.02+(√F GHz*0.10)					

2.92mm Male to 2.92mm Female



Materials and plating/材质与电镀

Description/描述	Materials/材质	Plating/电镀
Body/主体	Stainless steel/不锈钢	Passivation/钝化
Contact pin/中心针	Beryllium copper/铍青铜	Plating 30u" gold/镀金 30u"
Insulator/绝缘体	UNFILLED ULTEM 1000 PEI	N/A

Specification/技术参数

Connector Specification/连接器规格		Cable Specification/电缆规格	
Impedance/特性阻抗	50 ohm	Cable/电缆	STA-142
Frequency range/频率范围	DC to 40 GHz	Velocity of Propagation/传播速率	83%
Voltage rating/工作电压	250 V(rms)	Shielding Effectiveness/屏蔽效率	>90 dB
Dielectric withstanding voltage/介质耐压	>750 V	Mechanical Phase/弯曲相位	±5°@40GHz
Center contact resistance/中心接触电阻	<3.0mΩ	Temperature Phase/温度相位	750PPM(-40-100)
Outer contact resistance/外接触电阻	<2.0mΩ	Amplitude Stability/幅度稳定	±0.05dB@40GHz
Insulation resistance/绝缘电阻	>5000MΩ	Bend Radius:installation	18mm
VSWR/电压驻波比	<1.20 @ DC~18GHz	Bend Radius:repeated	36mm
	<1.30 @ 18~40GHz	Weight/重量	33g/m
Mechanical parameters/机械性能		Replace to:	
Center contact retention force/中心针保持力	>20 N	MCC	UFB142A
Coupling test torque/测试耦合扭矩	1.70 Nm	GORE	3507
Recommended torque/推荐扭矩	0.8 Nm to 1.10 Nm	IW	1401
Durability/耐久性	>500 cycles		
Environmental parameters/环境参数			
Temperature range/温度范围	-40°C to +125°C		

Order No/订货号	Length(mm)	Insulation loss(dB/GHz)			
		6	18	26.5	40
805001-00-052	500±20	<0.72	<1.27	<1.56	<1.94
805001-00-053	1000±30	<1.20	<2.12	<2.60	<3.24
805001-00-054	1500±40	<1.68	<2.97	<3.65	<4.54
805001-00-055	2000±50	<2.16	<3.82	<4.69	<5.85
Calculate Attenuation/衰减计算: IL(dB)=[(1.16847*√F Mhz)+(0.00055*F Mhz)/100]/1000*L(Meter)*1.02+(√F GHz*0.10)					

备注



备注

This image shows a full page of dot grid paper. The background is white, and it is covered with a regular pattern of small, light gray dots. The dots are arranged in straight horizontal and vertical rows, creating a grid-like appearance. There are no margins, text, or other markings on the page.

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