

产品规格书

PRODUCT SPECIFICATION

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1. Electrical/电气

1.1 Impedance /阻抗

50Ω

1.2 Frequency /频率

DC-6GHz

1.3 VSWR/驻波

≤1.2

1.4 Dielectric withstanding voltage /介质耐压

1000V(rms)

1.5 Center contact resistance /中心接触电阻

≤3mΩ

1.6 Outer contact resistance /外部接触电阻

≤2mΩ

1.7 Insulation resistance /绝缘电阻

≥5000MΩ

2. Environmental & Mechanical/环境与机械

2.1 Temperature range /温度范围

-45°~+125°

2.2 Rohs Compliant /符合RoHS

2.3 Durability /耐久性

500cycles

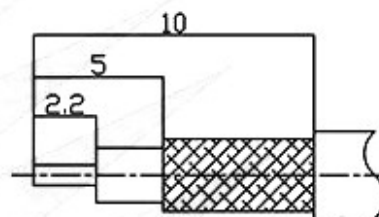
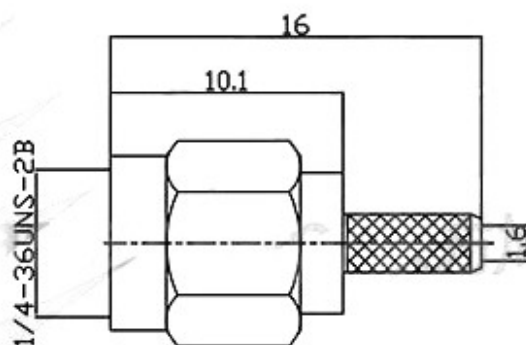
3. Material and Plating/材料和电镀

3.1 Inner Contact /内导体: Brass, Gold plated /黄铜镀金

3.2 Outer Contact /外导体: Brass, Gold plated /黄铜镀金

3.3 Insulators /绝缘体: PTFE /聚四氟乙烯

Suitable cables /适配电缆: RG316, RG174



推荐剥线尺寸
Recommended stripping size

产品型号P/N: SMA-C-J-1.5

KTR 141-50FEP



型号 Model

FEP KTRFBU-141-50	FEP KTRFR-141-50	FEP KTRFG-141-50	FEP KTRFB-141-50
LSZH KTRYZBU-141-50	LSZH KTRYZR-141-50	LSZH KTRYZG-141-50	LSZH KTRYZB-141-50
PVC KTRVBU-141-50	PVC KTRVR-141-50	PVC KTRVG-141-50	PVC KTRVB-141-50

描述 Description

(141-50)半柔性同轴电缆 FEP/LSZH/PVC (蓝色/红色/灰色/黑色) 护套
 (141-50)Semi-Flexible coaxial cable with FEP/LSZH/PVC(Blue/Red/Grey/Black) jacket

结构参数 Structure parameter

内部导体 Inner Conductor	镀银铜, 镀银铜包钢 Silver-plated Copper ;Silver-plated Copper Clad Steel	0.94mm
绝缘层 Insulation Layer	聚四氟乙烯(PTFE) Polytetrafluoroethylene(PTFE)	2.98mm
外部导体 Outer Conductor	浸锡铜线编织 Tin Overcoated Copper Wire Braiding	3.55mm
护套 Jacket	聚全氟乙丙烯(FEP) Fluorinated Ethylene Propylene (FEP)	4.10mm
	低烟无卤阻燃聚烯烃(LSZH) Polyethylene(LSZH)	4.55mm
	聚氯乙烯(PVC) Polyvinyl Chloride (PVC)	4.60mm

电气特性 Electrical Data

阻抗	Impedance,nominal	50ohms
传输速率	Velocity of propagation,nominal	70%
延时	Signal delay,nominal	4.7ns/m
电容	Capacitance,nominal	98pF/m
绝缘电阻	Insulation resistance,nominal	1500MΩ · km
耐电压	Voltage withstand(AC)	3000Vrms/min

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机械特性 Mechanical Data

恒定温度	Temperature rating	(FEP)-65-150°C,(LSZH)-30°C-90°C,(PVC)-40°C-105°C
最小弯曲半径(一次)	Minimum bending radius (for bending once)	8mm
最大拉伸强度	Maximum tensile strength	12kg
重量	Weight of cable	PVC53g/m,LSZH 50g/m, FEP 48g/m

衰减量和功率 Attenuation and Power

频率数 Frequency(MHz)	衰减量 Attenuation(dB/m)	功率 Power(Watts CW)
500	0.27	790
1000	0.41	526
2000	0.62	351
3000	0.78	277
5000	1.05	205
8000	1.39	156
10000	1.58	137
15000	2.00	108
18000	2.22	97



SMA-J
SMA公头

SMA-J
SMA公头



SMA-J
SMA公头

SMA-K
SMA母头

频率: 0-18G

线缆: KTR141

直径: 4.1mm

长度: 可订做任何长度

频率: 0-12G

线缆: KTR141

直径: 4.1mm

长度: 可订做任何长度