

RG402/141 半柔高频转接线 SMA-JJ 不锈钢 SMA 公转公 18G

141/RG402 半柔转接线 SMA-J/SMA-JW 不锈钢 SMA 公转弯公 18G

141/RG402 半柔转接线 SMA-JW/SMA-JW 不锈钢 SMA 弯公 18G



KTR-141FEP-50



型号
Model

KTR-141FEP-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

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	88pF/m
绝缘电阻	Insulation resistance,nominal	1500M Ω ·km
耐电压	Voltage withstand(AC)	3000Vrms/min

机械特性
Mechanical Data

恒定温度	Temperature rating	FEP-85-150C,LSZH-90C-90C,PVC-40C-105C
弯曲半径(一次)	Minimum bending radius (for bending once)	8mm
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

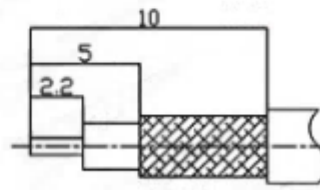
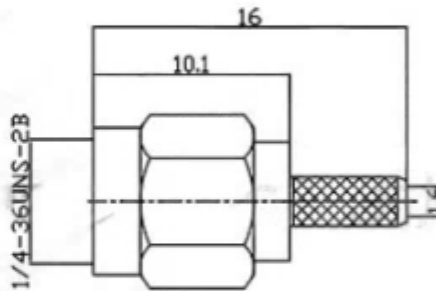
产品规格书

PRODUCT SPECIFICATION

This document contains proprietary information and such information may not be disclosed to others for any purposes, 本文件包含专有信息，不得出于任何目的向他人披露此类信息。
not used for sales/marketing/procurement purposes without written permission, 未经书面许可，不得用于销售/营销/采购目的。

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 $\leq 3m\Omega$
 - 1.6 Outer contact resistance /外部接触电阻 $\leq 2m\Omega$
 - 1.7 Insulation resistance /绝缘电阻 $\geq 5000M\Omega$
2. Environmental & Mechanical /环境与机械
 - 2.1 Temperature range /温度范围 $-45^{\circ}\sim +125^{\circ}$
 - 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

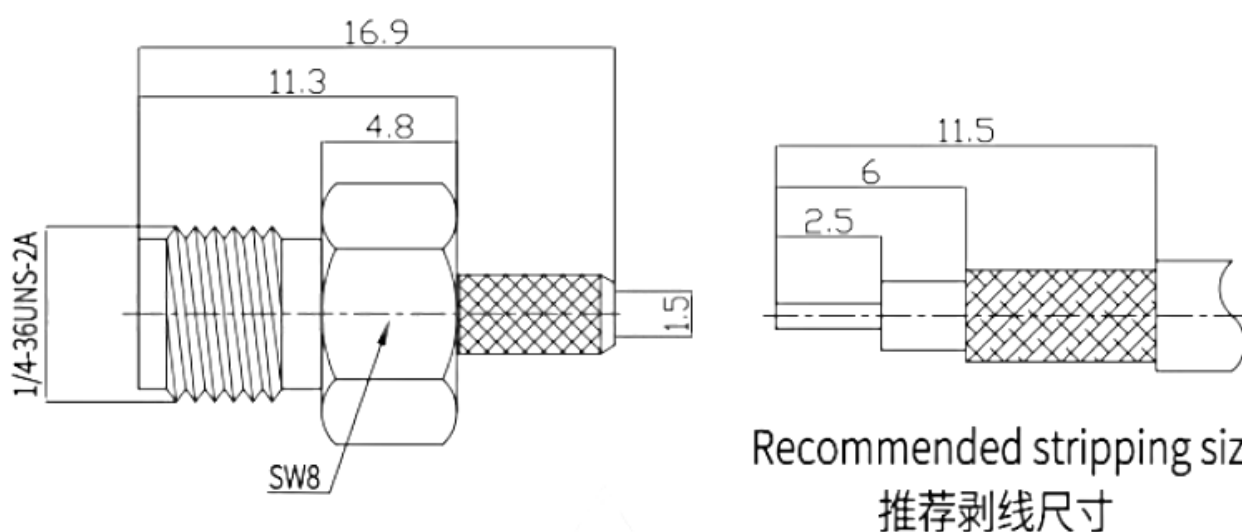


推荐剥线尺寸
Recommended stripping size

产品型号P/N: SMA-C-J-1.5

产品型号 Model: SMA-C-K-1.5

适用电缆 Applicable cables: RG316.RG174



注 Note: 尺寸 Dimensions (mm)

产品参数 Product parameters

1. 电气 Electrical

1.1	阻抗 Impedance	50Ω
1.2	频率范围 Frequency range	DC-6GHz
1.3	驻波 VSWR	≤1.25
1.4	介质耐压 Dielectric withstanding voltage	1000V rms
1.5	内导体接触电阻 Internal conductor contact resistance	≤3mΩ
1.6	外导体接触电阻 External conductor contact resistance	≤2mΩ
1.7	绝缘电阻 Insulation resistance	≥5000MΩ

2. 环境与机械 Environment and Machinery

2.1	温度范围 Temperature range	-45°~+125°
2.2	耐久性 Durability	500cycles

3. 材料和镀层 Material and Plating

3.1	内导体 Inner conductor	磷铜镀金 Phosphorus copper gold plating
3.2	外导体 Outer conductor	黄铜镀金 Brass gold plated
3.3	绝缘体 Insulator	聚四氟乙烯 PTFE