

型号 Cable Type : RG402(SR141-50)

Semi-rigid coaxial cable, 50ohm RG402 type

Applied standard: MIL-C-17



结构 Construction	材料 Materials	尺寸 O.D (mm)
1.内导体 Inner Conductor	镀银铜包钢 SCCS	0.92
2.绝缘层 Dielectric	聚四氟乙烯 PTFE	2.98
3.外导体 Outer Conductor	镀三元合金无缝退火紫铜管 Ternary Alloy Plated Seamless Annealed Bare Copper Tube	3.58

电气性能 Electrical Specifications

阻抗 Cable Impedance	50 ohm
电容 Capacitance	95.1 pF/m
速率 Velocity	70%
耐电压 Voltage Withstanding	5000 Vrms@60Hz
工作电压 Working Voltage	1900 Vrms@60Hz
工作频率 Operating Frequency	34 GHz Max.

机械环境性能 Mechanical & Environmental Specifications

重量 Weight	51 g/m
弯曲半径 Bend Radius	12.5 mm
温度范围 Temperature Range	-55 ~ +125 °C
外导体承受温度 Withstanding Temp. of Outer Conductor	175 °C

衰减典型值 Attenuation (Typical Value @ 25°C & Sea Level)

频率 Frequency (MHz)	功率 Power (W)	衰减 Attenuation (dB/m)
400	679	0.23
500	601	0.26
1000	418	0.38
3000	220	0.72
5000	174	0.91
6000	157	1.01
10000	118	1.37
20000	78	2.09