

RG142 Coaxial Cable/RG142 同轴电缆



RG142 Coax Construction/RG142 同轴电缆结构

OD/直径 (mm)

Conductor/导体:	Silver-coated Copper Clad Steel (SCCS)/镀银铜包钢	0.95
Dielectric/绝缘体:	Polytetrafluoroethylene (PTFE)/聚四氟乙烯	2.95
Shield/屏蔽层:	Silver Plated Copper (SPC)/镀银铜	3.6
Shield/屏蔽层:	Silver Plated Copper (SPC)/镀银铜	4.25
Jacket/护套:	Fluorinated Ethylene Propylene (FEP)/聚全氟乙烯	4.95

RG 142 Cable Physical Characteristics/RG 142 电缆物理特性

Weight per/重量100m:	6.4kg
Minimum bend radius/最小弯曲半径:	50mm
Operating temperature range/工作温度范围:	-65°C to +165°C
RoHS compliance/符合RoHS:	2011/65/EU (RoHS)

RG-142 Cable Electrical Characteristics/RG-142 电缆电气特性

Impedance/阻抗:	50	+/- 2 ohms
Capacitance/电容:	95	pF/m. max
Maximum voltage/最大电压:	5000	Volts
Velocity of propagation/速率:	69	%
Operating Frequency/工作频率:	6	GHz
Screening effectiveness/屏蔽效率	≥ 85	dB (up to 6 GHz)
Insulation resistance/绝缘电阻:	≥ 1 x 10 ⁸	MΩm
Max. operating voltage/最大工作电压	≤ 2.5	kVrms (at sea level)

RG142 Attenuation/RG142 衰减:

Freq/频率(MHz)	Typical/典型值(dB/m)	Max. CW power/功率 最大值
900	0.43	429
1800	0.65	303
2700	0.82	248
3600	0.98	215
4500	1.13	192
5400	1.27	175
6000	1.36	166