

RG174-01

50 欧姆同轴电缆 50 Ohm Coaxial Cable

产品描述 PRODUCT DESCRIPTION

- 用于汽车导航系统(GPS)、车载数字广播接收器, 汽车摄像头, 电动后视镜、室内/外天线、检测仪器等 Used for car navigation system (GPS), In-vehicle digital broadcasting receivers, Vehicle camera, Electronic mirror, Indoor/Outdoor Antenna, detection instrument, etc
- 优化射频特性, 如 EMC 特性、回波损耗、衰减、特性阻抗 Optimized for radio frequency properties such as EMC property, return loss, attenuation, characteristic impedance
- 低插入损耗 Low insertion loss
- 优异的机械特性 Robust mechanical properties
- 优越的温度范围 Excellent temperature resistance
- 具有 10~1000MHz 的宽带能力, 可用于单向和双向通信系统 With the broadband capability of 10~1000MHz, this cable could be used for both one-way and two-way communication systems



结构尺寸 CONSTRUCTION

内导体 Inner conductor	铜包钢绞线 Stranded copper clad steel wire	Φ0.16* 7mm
绝缘层 Insulation	实芯聚乙烯 Solid PE	Φ1.52 mm
外导体 Outer conductor	镀锡铜丝编织 Tinned copper wire braiding	16x5x0.10
	覆盖率 Coverage	>90%
护套层 Jacket	聚氯乙烯 PVC	Φ2.80 mm

电气特性 ELECTRICAL PROPERTIES

特性阻抗 Characteristic impedance	Ω	50
电容 Capacitance @1kHz	pF/m	100
传输速率 Propagation velocity	%	66
直流耐电压 DC breakdown voltage	VDC (1 min)	1000
绝缘电阻 Insulation resistance	MΩ·km	>1000
工作电压 Operation voltage	(V)	60

传输特性 TRANSMISSION PROPERTIES

频率 Frequency, MHz	标称衰减 Nom. attenuation @20°C,dB/100m
10	10.8
50	19.0
100	27.5
200	40.9
500	67.9
800	90.0
1000	111.4

*: 最大值不超过标称值的 110%。The maximum value shall not exceed 110% of the nominal value.

环境特性 ENVIRONMENTAL PROPERTIES

推荐运行温度 Recommended operating temperature °C -40 ~ +90