

# Product Specifications



## RG402(SR141-50)



Construction 结构	Materials 材料	O.D (mm)尺寸
1.内导体Inner conductor	镀银铜SC	0.93
2.绝缘Dielectric	聚四氟乙烯PTFE	3.00
3.外导体Outer conductor	①无缝退火紫铜管 Seamless annealed copper tube	3.58
	②镀锡（三元合金）无缝退火紫铜管 Tin/Tri-metal plated tube	

Electrical Specifications 电性能		
阻抗Cable impedance		50 ohm
电容Capacitance		95.1 pF/m
速率Velocity		70%
承受电压Dielectric withstanding Voltage		5000 Vrms@60Hz
灭晕电压Corona voltage		1900 Vrms@60Hz
截止频率Cut-off Frequency		34 GHz Max.

Mechanical & Environmental Specifications 机械环境性能		
最下弯曲半径Min. Bend radius		12.5 mm
工作温度范围Working temperature range		-55 ~ +125 °C
外导体承受温度Outer conductor withstanding temperature up limit		175 °C

Attenuation Typical Value 衰减典型值 (@ 25°C & sea level)		
Frequency(MHz)	Attenuation(dB/m)	Average Power(①/②)(CW)
500	0.26	600.5/483.5
1000	0.38	417.5/336.2
3000	0.72	86.4/70.8
5000	0.91	231.9/186.8
10000	1.37	117.5/94.6
20000	2.09	77.9/62.7

In the effort to improve our products, Lair Microwave reserves the right to make changes judged to be necessary.

Tel: +86-512-66226676 Fax: +86-512-67564409 E-mail: sales@lairmw.com @ Designed by Lair Microwave