

G系列 18GHz超低损耗稳幅稳相电缆组件

G-series 18GHz Ultra Low Loss Phase Stable Cable Assembly

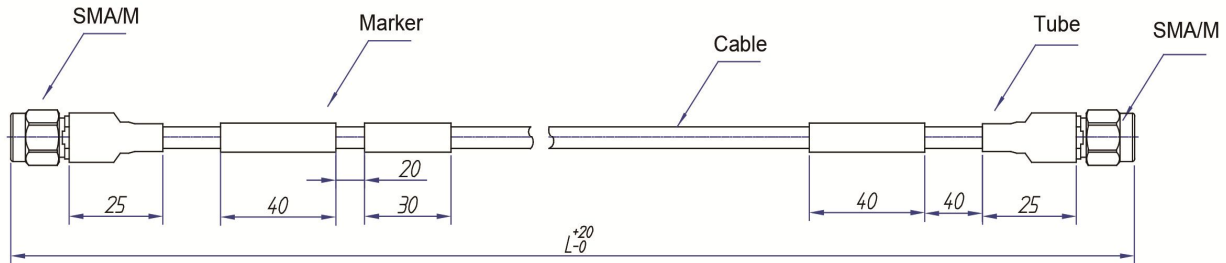
产品规格书
Specification

产品型号 Part No.

G18-SMSM-L



外形图 Outline



电气性能 Electrical Characteristics

工作频率 Frequency	DC - 18 GHz
特性阻抗 Impedance	50 Ω
绝缘电阻 Insulation Resistance	5000 mΩ
介质耐压 Dielectric Withstanding Voltage	2000 V
屏蔽效率 Shielding Effectiveness	≥90 dB
传播速率 Velocity of Propagation	85%
电压驻波比 VSWR	1.25 Max
温度相位稳定性 Phase Stability vs. Temperature	≤550 PPM (-55°C ~ +85°C)
弯曲相位稳定性 Phase Stability vs. Flexure	≤±1.8°
弯曲幅度稳定性 Amplitude stability	≤0.05 dB

机械与环境性能 Mechanical and Environmental Characteristics

电缆外径 Cable Diameter	7.4mm
最小弯曲半径 Min. Bend Radius	74 mm
工作温度 Operating Temperature Range	-55°C ~ +165°C

组件衰减指标 Attenuation

Part No.	3GHz	6GHz	12GHz	18GHz
G18-SMSM-0.5M	0.20 dB	0.28 dB	0.41 dB	0.51 dB
G18-SMSM-1.0M	0.33 dB	0.47 dB	0.68 dB	0.84 dB
G18-SMSM-1.5M	0.46 dB	0.65 dB	0.95 dB	1.18 dB
G18-SMSM-2.0M	0.59 dB	0.84 dB	1.22 dB	1.51 dB
G18-SMSM-3.0M	0.85 dB	1.21 dB	1.76 dB	2.18 dB
G18-SMSM-5.0M	1.37 dB	1.95 dB	2.84 dB	3.52 dB

连续波功率 CW Power (sea level / 25°C)	1030 W	717 W	497 W	399 W
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注：电缆组件接头和长度可接受定制 Different connector types and the lengths of D series cable assembly are available.

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

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