

G系列 50GHz超低损耗稳幅稳相电缆组件

G-series 50GHz Ultra Low Loss Phase Stable Cable Assembly

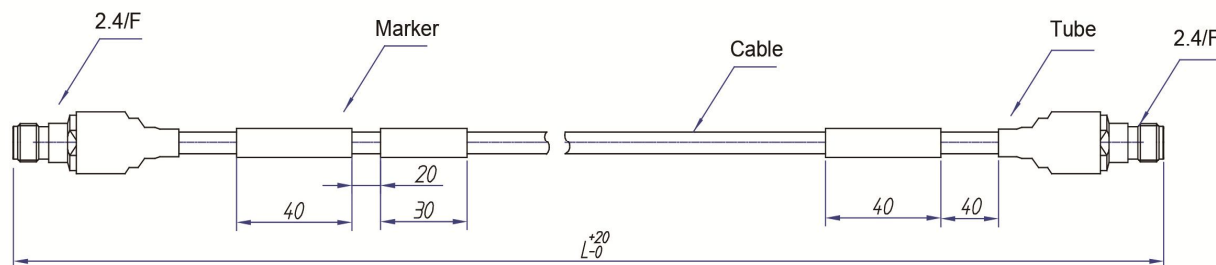
产品规格书
Specification

产品型号 Part No.

G50-2.4F2.4F-L



外形图 Outline



电气性能 Electrical Characteristics

工作频率 Frequency	DC - 50 GHz
特性阻抗 Impedance	50 Ω
绝缘电阻 Insulation Resistance	5000 m Ω
介质耐压 Dielectric Withstanding Voltage	1000 V
屏蔽效率 Shielding Effectiveness	≥ 90 dB
传播速率 Velocity of Propagation	83%
电压驻波比 VSWR	1.30 Max
温度相位稳定性 Phase Stability vs. Temperature	≤ 550 PPM (-55 $^{\circ}$ C ~ +85 $^{\circ}$ C)
弯曲相位稳定性 Phase Stability vs. Flexure	$\leq \pm 1.8^{\circ}$
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	2.2 mm
最小弯曲半径 Min. Bend Radius	22 mm
工作温度 Operating Temperature Range	-55 $^{\circ}$ C ~ +165 $^{\circ}$ C

组件衰减指标 Attenuation

Part No.	18GHz	26.5GHz	40GHz	50GHz
G50-2.4F2.4F-0.5M	1.61 dB	1.98 dB	2.47 dB	2.81 dB
G50-2.4F2.4F-1.0M	3.04 dB	3.75 dB	4.69 dB	5.32 dB
G50-2.4F2.4F-1.5M	4.48 dB	5.52 dB	6.91 dB	7.84 dB
G50-2.4F2.4F-2.0M	5.91 dB	7.29 dB	9.13 dB	10.35 dB
G50-2.4F2.4F-3.0M	8.78 dB	10.83 dB	13.57 dB	15.38 dB
G50-2.4F2.4F-5.0M	14.52 dB	17.91 dB	22.45 dB	25.44 dB

连续波功率 CW Power (sea level / 25 $^{\circ}$ C)	21 W	17 W	14 W	12 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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