

D系列 50GHz超低损耗稳幅稳相电缆组件

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

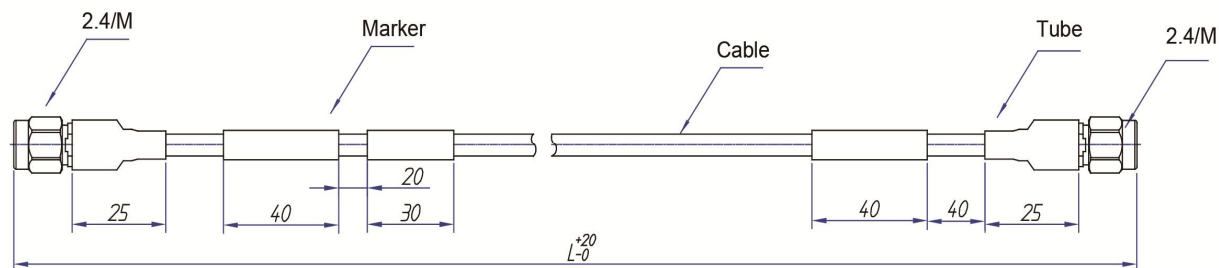
产品规格书
Specification

产品型号 Part No.

D50-2.4M2.4M-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	$\leq \pm 2^{\circ}$
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	3.6 mm
最小弯曲半径 Min. Bend Radius	36 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
D50-2.4M2.4M-0.5M	1.005 dB	1.235 dB	1.540 dB	1.745 dB
D50-2.4M2.4M-1.0M	1.840 dB	2.260 dB	2.820 dB	3.190 dB
D50-2.4M2.4M-1.5M	2.675 dB	3.285 dB	4.100 dB	4.635 dB
D50-2.4M2.4M-2.0M	3.510 dB	4.310 dB	5.380 dB	6.080 dB
D50-2.4M2.4M-3.0M	5.180 dB	6.360 dB	7.940 dB	8.970 dB
D50-2.4M2.4M-5.0M	8.520 dB	10.460 dB	13.060 dB	14.750 dB

连续波功率 CW Power (sea level / 25 $^{\circ}$ C)	115 W	93 W	75 W	66 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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