

PL系列 50GHz 高精密稳幅稳相测试电缆组件

PL-series 50GHz Phase Stable Cable Assembly

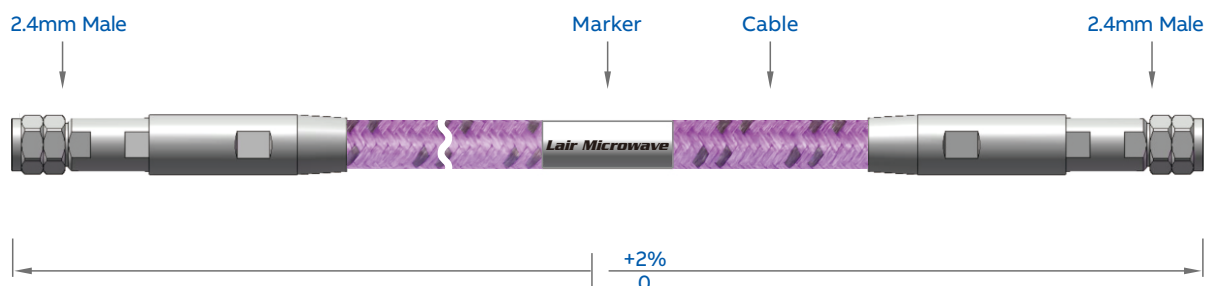
产品规格书

Specification

产品型号 Part No.	PL50-24M24M-L
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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 mΩ
介质耐压	Dielectric Withstanding Voltage	500 V
屏蔽效率	Shielding Effectiveness	≥ 90 dB
传播速率	Velocity of Propagation	76%
电压驻波比	VSWR	1.30 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	≤ ±5°
弯曲幅度稳定性	Amplitude stability	≤ ±0.05 dB

外形图 Outline



机械与环境性能		Mechanical and Environmental Characteristics
电缆外径	Cable Diameter	6.1±0.15 mm
最小弯曲半径	Min. Bend Radius	30 mm
工作温度	Operating Temperature Range	-55°C ~ +125°C

组件衰减指标		Attenuation			
电缆组件型号	Part No.	18GHz	26.5GHz	40GHz	50GHz
	PL50-24M24M-0.5M	1.30 dB	1.59 dB	1.97 dB	2.21 dB
	PL50-24M24M-1.0M	2.26 dB	2.76 dB	3.43 dB	3.85 dB
	PL50-24M24M-1.5M	3.22 dB	3.94 dB	4.89 dB	5.49 dB
	PL50-24M24M-2.0M	4.18 dB	5.11 dB	6.35 dB	7.14 dB
	PL50-24M24M-3.0M	6.10 dB	7.46 dB	9.27 dB	10.42 dB
	PL50-24M24M-5.0M	9.94 dB	12.16 dB	15.11 dB	16.99 dB
连续波功率	CW Power (sea level / 25°C)	116 W	94 W	76 W	67 W

注 电缆组件接头和长度可接受定制。 Different connector types and the lengths of PL 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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