

## M系列 110GH毫米波电缆组件 M-series 110GHz Millimeter-Wave Cable Assembly

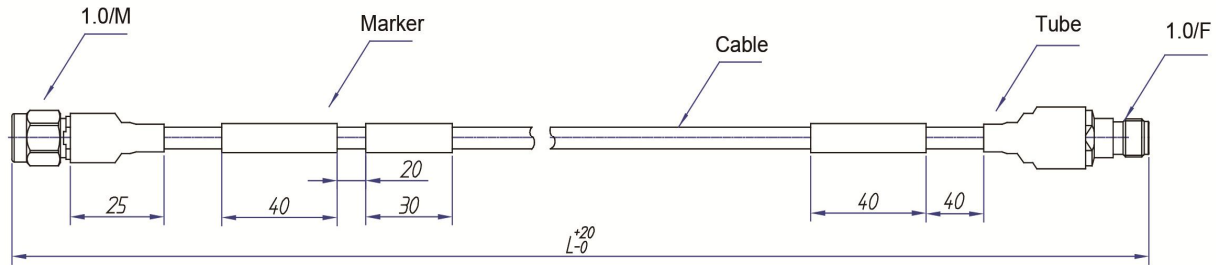
产品规格书  
Specification

产品型号 Part No.

M110-1.0M1.0F-L



外形图 Outline



### 电气性能 Electrical Characteristics

工作频率 Frequency	DC - 110 GHz
特性阻抗 Impedance	50 $\Omega$
绝缘电阻 Insulation Resistance	5000 m $\Omega$
介质耐压 Dielectric Withstanding Voltage	1000 V
屏蔽效率 Shielding Effectiveness	$\geq 90$ dB
传播速率 Velocity of Propagation	75%
电压驻波比 VSWR	1.45 Max
温度相位稳定性 Phase Stability vs. Temperature	$\leq 550$ PPM (-55 $^{\circ}$ C ~ +85 $^{\circ}$ C)
弯曲相位稳定性 Phase Stability vs. Flexure	$\leq \pm 5^{\circ}$
弯曲幅度稳定性 Amplitude stability	$\leq 0.05$ dB

### 机械与环境性能 Mechanical and Environmental Characteristics

电缆外径 Cable Diameter	2.54 mm
最小弯曲半径 Min. Bend Radius	25.4 mm
工作温度 Operating Temperature Range	-65 $^{\circ}$ C ~ +200 $^{\circ}$ C

### 组件衰减指标 Attenuation

Part No.	50GHz	67GHz	90GHz	110GHz
M110-1.0M1.0F-0.5M	5.23 dB	6.26 dB	7.52 dB	8.55 dB
M110-1.0M1.0F-1.0M	10.18 dB	12.19 dB	14.65 dB	16.66 dB
M110-1.0M1.0F-1.5M	15.14 dB	18.12 dB	21.79 dB	24.77 dB
M110-1.0M1.0F-2.0M	20.09 dB	24.04 dB	28.93 dB	32.88 dB
M110-1.0M1.0F-3.0M	29.99 dB	35.90 dB	43.20 dB	49.12 dB
M110-1.0M1.0F-5.0M	49.80 dB	59.62 dB	71.75 dB	81.58 dB

连续波功率 CW Power ( sea level / 25 $^{\circ}$ C)	23 W	19 W	15 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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