

Coaxial Band-pass Filter

2.1-2.9GHz/ SMA Female

Model: TLBF-2100M-2900M-S

TLBF-2100M-2900M-S is a coaxial band-pass filter with a passband frequency from 2.1 to 2.9 GHz and a rejection frequencies at 5.14GHz and 7.71GHz. The nominal insertion loss of the filter is 1.8 dB and the typical rejection is 70 dB.

Features:

- Passband Frequency Range 2.1 to 2.9GHz
- Low Insertion Loss
- High Rejection
- Steep Rejection Skirts

Applications:

- Instrumentations
- Radar Systems
- System Integrations

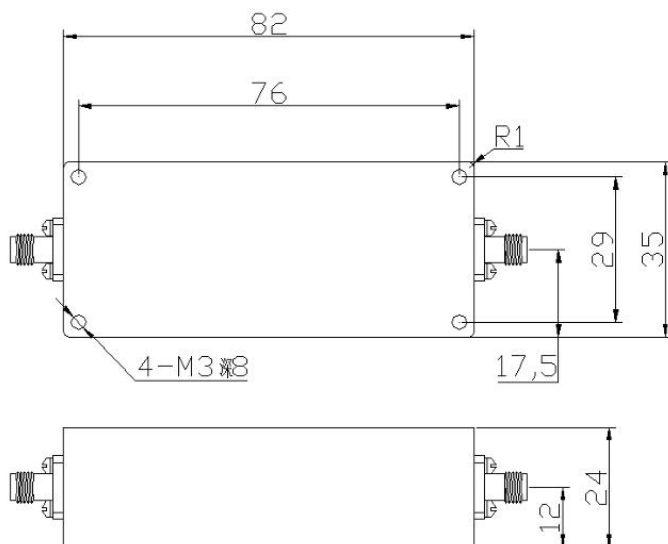
电气特性 Electrical Characteristics:

参数 Parameter	Min	Typ	Max	单位 Units
通带频率范围 Passband Frequency range	2.1		2.9	GHz
通带插损 Passband Insertion Loss			1.8	dB
带内纹波 Pass Band Ripple			1.0	dB
带外抑制 Rejection	≥70dBc@5.14GHz ≥50dBc@7.71GHz			dB
耐受功率 Power Handling			50	W
驻波 VSWR			1.7	:1
阻抗 Impedance	50			Ohms

环境和机械特性 Envrionmental And Physical Characteristics:

类型 Description	参数 Parameter	单位 Units
操作温度 Operating Temperature	-30 To +60	℃
表面处理 Finish	black sprayed paint	
接口 Connectors	SMA Female	

外形图 Outline Drawing: Unit:mm;



ESD Protection: Strictly adhere to ESD precautions to prevent electrostatic damage.

订货信息 Ordering Information:

标准型号 Base Number	描述 Description	版本号 Revision
TLBF-2100M-2900M-S	Coaxial Band-pass Filter, Passband frequency range: 2.1 to 2.9GHz, Passband Insertion Loss: 1.8dB, SMA Female	Rev.1.0