

Coaxial Band-pass Filter

2.49-2.51GHz/ SMA Female

Model: TLBF-2G5-20M-E

TLBF-2G5-20M-E is a coaxial band-pass filter with a with a passband frequency from 2.49 to 2.51GHz and a rejection frequencies at 2.43GHz and 2.57GHz. The nominal insertion loss of the filter is 1.3dB and the typical rejection is 30 dB.

Features:

- Passband Frequency Range 2.49 to 2.51GHz
- Low Insertion Loss
- High Rejection
- Steep Rejection Skirts

Applications:

- Instrumentations
- Radar Systems
- System Integrations

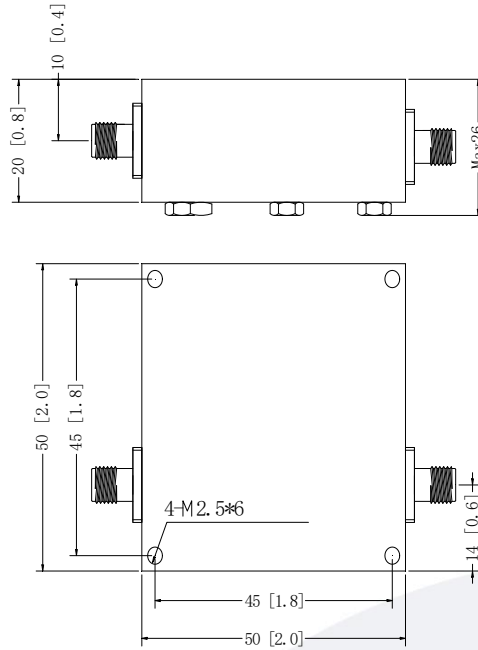
电气特性 Electrical Characteristics:

参数 Parameter	Min	Typ	Max	单位 Units
通带频率范围 Passband Frequency range	2.49	2.5	2.51	GHz
中心插损 Insertion Loss (fo)			1.3	dB
带内纹波 Pass Band Ripple			1.0	dB
带外抑制 Rejection	>30dB@fo±70MHz			dB
耐受功率 Power Handling			10	W
输入驻波 Input VSWR			1.4	:1
输出驻波 Output VSWR			1.4	:1
阻抗 Impedance	50			Ohms

环境和机械特性 Envirionmental And Physical Characteristics:

类型 Description	参数 Parameter	单位 Units
操作温度 Operating Temerature	-40 To +70	℃
存储温度 Storage Temerature	-40 to +70	℃
接口 Connectors	SMA Female	

外形图Outline Drawing: Unit:mm;

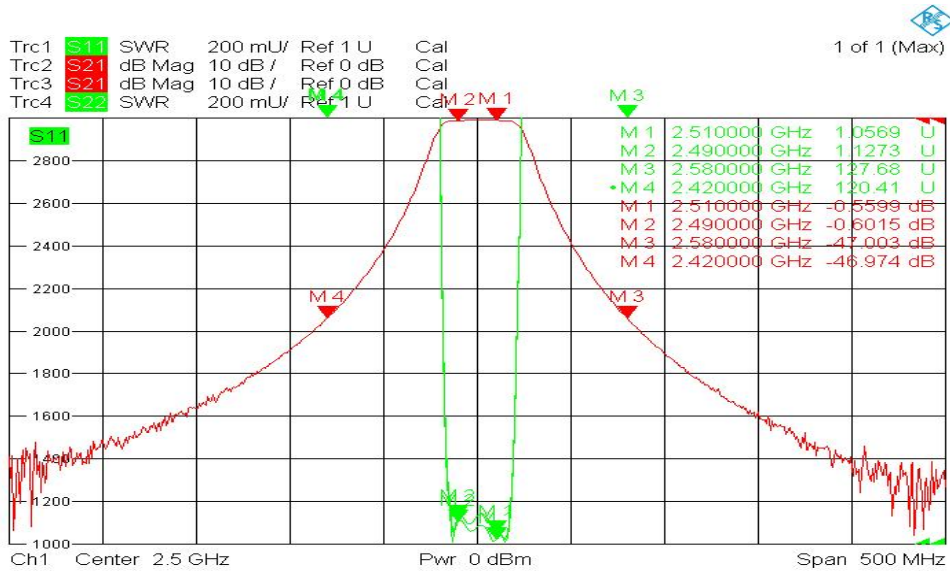


ESD Protection: Strictly adhere to ESD precautions to prevent electrostatic damage.

订货信息 Ordering Information:

标准型号 Base Number	描述 Description	版本号 Revision
TLBF-2G5-20M-E	Coaxial Band-pass Filter, Passband frequency range:2.49 to 2.51GHz, Insertion Loss (fo): 1.3dB, SMA Female	Rev.1.0

典型曲线 Typical Performance Data:



Note: Above data is for ref only, actual data may vary from unit to unit depending on operating environment and other factors like material lots etc.