

Coaxial Band-pass Filter

1-4GHz/ SMA Female

Model: TLBF-1G-4G-X

TLBF-1G-4G-X is a coaxial band-pass filter with a passband frequency from 1 to 4GHz and a rejection frequencies from 0 to 0.5GHz and 4.5 to 10GHz. The nominal insertion loss of the filter is 1.5dB and the typical rejection is 50 dB.

Features:

- Passband Frequency Range 1 to 4GHz
- Low Insertion Loss
- High Rejection
- Steep Rejection Skirts

Applications:

- Instrumentations
- Radar Systems
- System Integrations

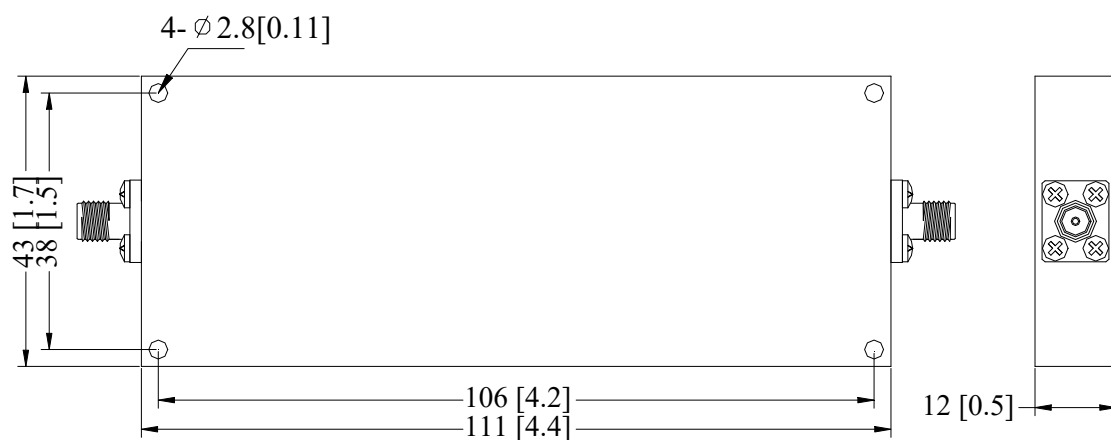
电气特性 Electrical Characteristics:

参数 Parameter	Min	Typ	Max	单位 Units
通带频率范围 Passband Frequency range	1		4	GHz
通带插损 Passband Insertion Loss			1.5	dB
带内纹波 Pass Band Ripple			1.0	dB
带外抑制 Rejection	>50dB@dc-0.5Ghz >50dB@4.5-10Ghz			dB
耐受功率 Power Handling			15	W
输入驻波 Input VSWR			1.8	:1
输出驻波 Output VSWR			1.8	: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 Temperature	-40 To +70	℃
存储温度 Storage Temperature	-40 to +70	℃
接口 Connectors	SMA Female	

外形图 Outline Drawing: Unit:mm;

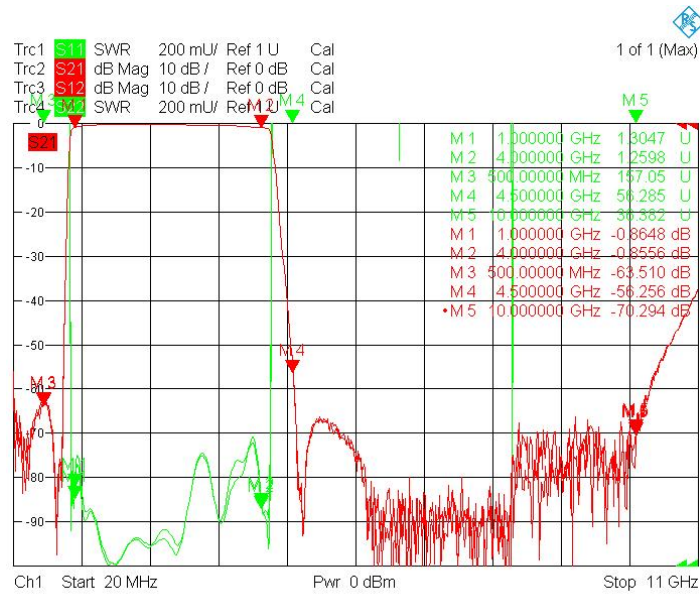


ESD Protection: Strictly adhere to ESD precautions to prevent electrostatic damage.

订货信息 Ordering Information:

标准型号 Base Number	描述 Description	版本号 Revision
TLBF-1G-4G-X	Coaxial Band-pass Filter, Passband frequency range: 1 to 4GHz, Passband Insertion Loss: 1.5dB, 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.