

Coaxial Band-pass Filter

3.8-4.2GHz/ SMA Female

Model: TLBF-4G-400M-E

TLBF-4G-400M-E is a coaxial band-pass filter with a passband frequency from 3.8 to 4.2GHz and a rejection frequencies at 3.2 and 4.8 GHz. The nominal insertion loss of the filter is 1.0 dB and the typical rejection is 45 dB.

Features:

- Passband Frequency Range: 3.8 to 4.2GHz
- Low Insertion Loss
- High Rejection
- Steep Rejection Skirts

Applications:

- Instrumentations
- Radar Systems
- System Integrations

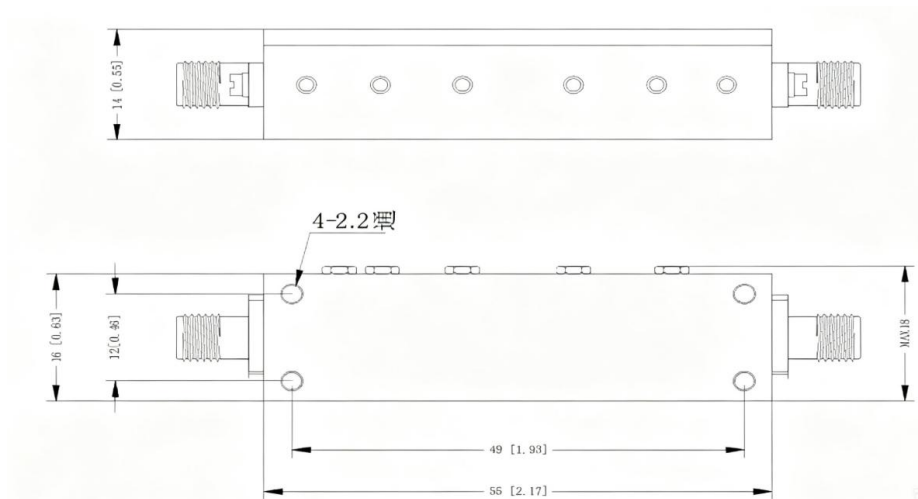
电气特性 Electrical Characteristics:

参数 Parameter	Min	Typ	Max	Units
通带频率范围 Passband Frequency range	3.8	4	4.2	GHz
通带插损 Passband Insertion Loss		0.8	1.0	dB
带内纹波 Pass Band Ripple			0.8	dB
带外抑制 Rejection	>45dB@f0±800MHz 二.三次谐波>90-110db(50Hz扫描)			dB
耐受功率 Power Handling			15	W
输入驻波 Input VSWR			1.35	:1
输出驻波 Output VSWR			1.35	: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;

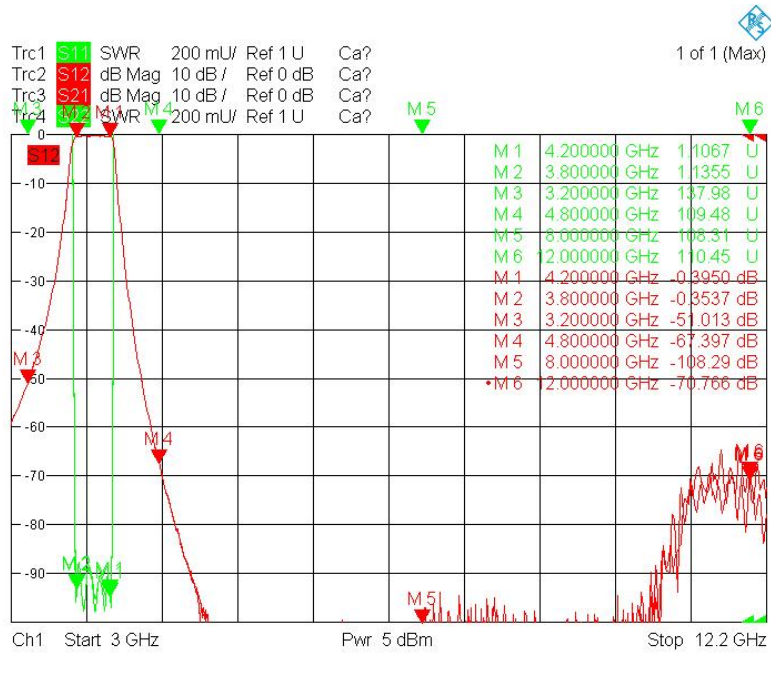


ESD Protection: Strictly adhere to ESD precautions to prevent electrostatic damage.

订货信息 Ordering Information:

标准型号 Base Number	描述 Description	版本号 Revision
TLBF-4G-400M-E	Coaxial Band-pass Filter, Passband frequency range: 3.8 to 4.2GHz, Passband Insertion Loss: 1.0dB, 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.