

Coaxial Band-pass Filter

2.975-3.025 GHz/SMA Female

Model: TLBF-3G-50M-E2

TLBF-3G-50M-E2 is a coaxial band-pass filter with a passband frequency from 2.975 to 3.025 GHz and a rejection frequencies from DC-2.875 GHz and 3.125 GHz. The maximum fo insertion loss of the filter is 2.0 dB and the typical rejection is 35 dB.

Features:

- Passband Frequency Range 2.975 to 3.025 GHz
- Low Insertion Loss
- High Rejection
- Steep Rejection Skirts
- Field Replaceable RF Connectors

Applications:

- Instrumentations
- Radar Systems
- System Integrations

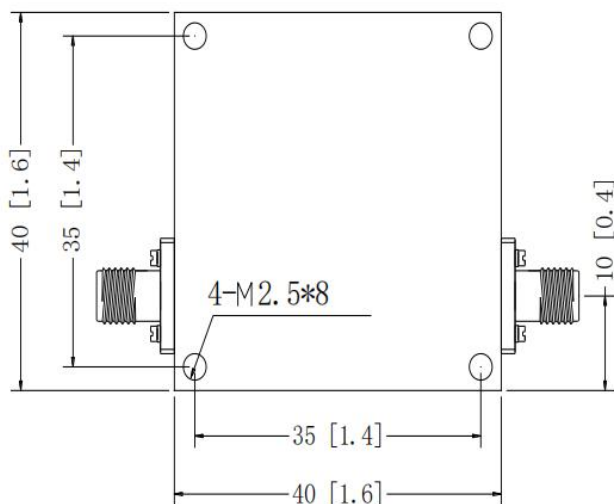
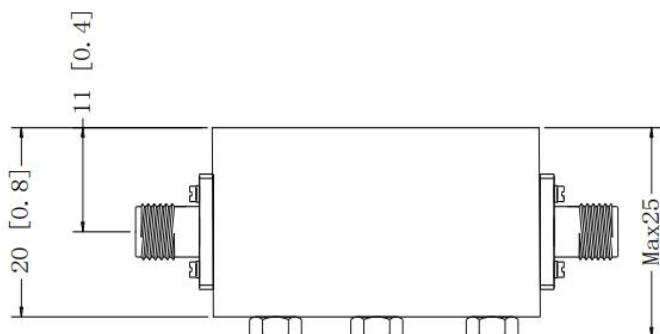
电气特性 Electrical Characteristics:

参数 Parameter	Min	Typ	Max	单位 Units
通带频率范围 Passband Frequency range	2.975		3.025	GHz
带宽 Band Width			0.05	GHz
插损 Insertion Loss(fo)			2.0	dB
带内波动 Pass Band Ripple			1.8	dB
带外抑制 Rejection	>35dB@DC-2875MHz 3125MHz			
耐受功率 Power Handling			10	W
驻波 VSWR			1.6	: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 Temerature	-40 To +70	°C
接口 Connectors	SMA Female	

外形图 Outline Drawing: Unit:mm

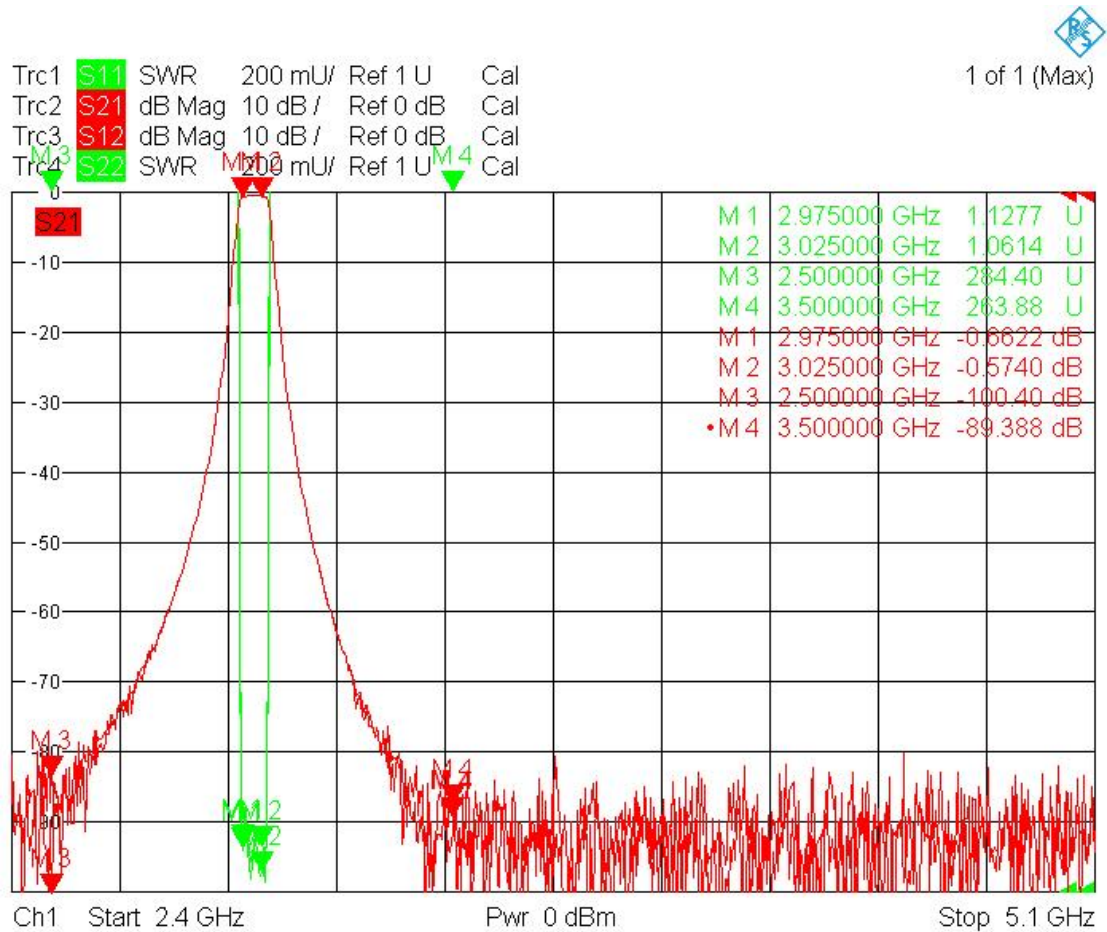


ESD Protection: Strictly adhere to ESD precautions to prevent electrostatic damage.

订货信息 Ordering Information:

标准型号 Base Number	描述 Description	版本号 Revision
TLBF-3G-50M-E2	Coaxial Band-pass Filter, Passband frequency range: 2.975-3.025GHz, fo Insertion Loss: 2.0dB, 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.