

Coaxial Band-pass Filter

5-5.5 GHz/SMA Female/SMA Male

Model: TLBF-5G25-500M-E

TLBF-5G25-500M-E is a coaxial band-pass filter with a passband frequency from 5 to 5.5 GHz and a rejection frequencies from DC-4.6 GHz and 5.9 GHz. The maximum insertion loss of the filter is 1.0 dB and the typical rejection is 70 dB.

Features:

- Passband Frequency Range 5 to 5.5 GHz
- Low Insertion Loss
- High Rejection
- Steep Rejection Skirts
- Field Replaceable RF Connectors

Applications:

- Instrumentations
- Radar Systems
- System Integrations

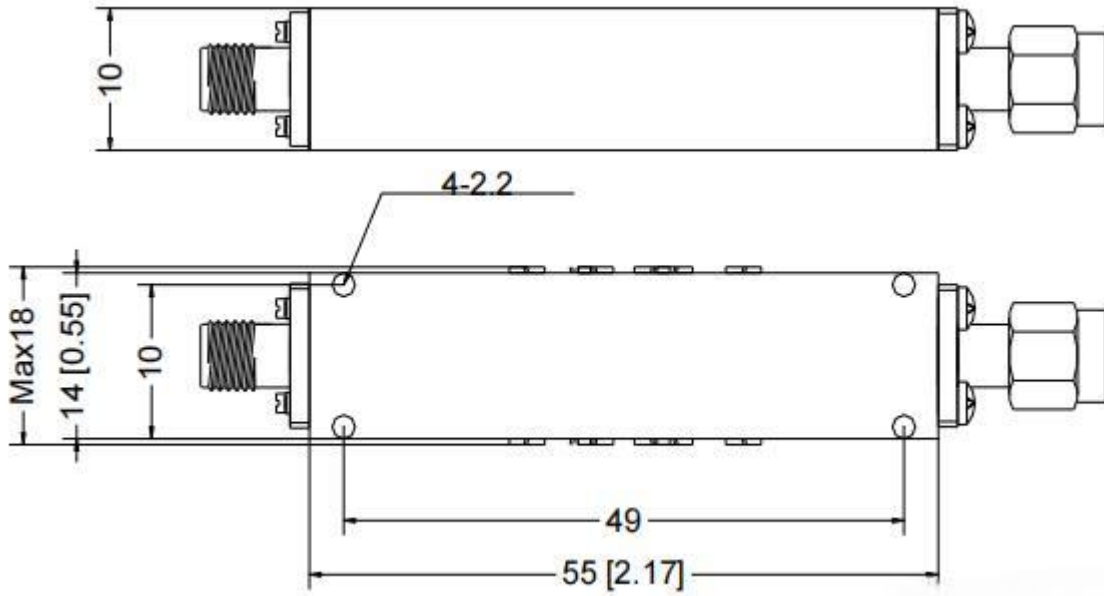
电气特性 Electrical Characteristics:

参数 Parameter	Min	Typ	Max	单位 Units
通带频率范围 Passband Frequency range	5		5.5	GHz
带宽 Band Width			0.5	GHz
通带插损 Passband Insertion Loss			1.0	dB
带内波动 Pass Band Ripple	0.8			dB
带外抑制 Rejection	>70dB@DC-4.6Ghz 5.9Ghz			
耐受功率 Power Handling			15	W
驻波 VSWR			1.3	:1
阻抗 Impedance	50			Ohms

环境和机械特性 Envriionmental 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/SMA Male	

外形图 Outline Drawing: Unit:mm

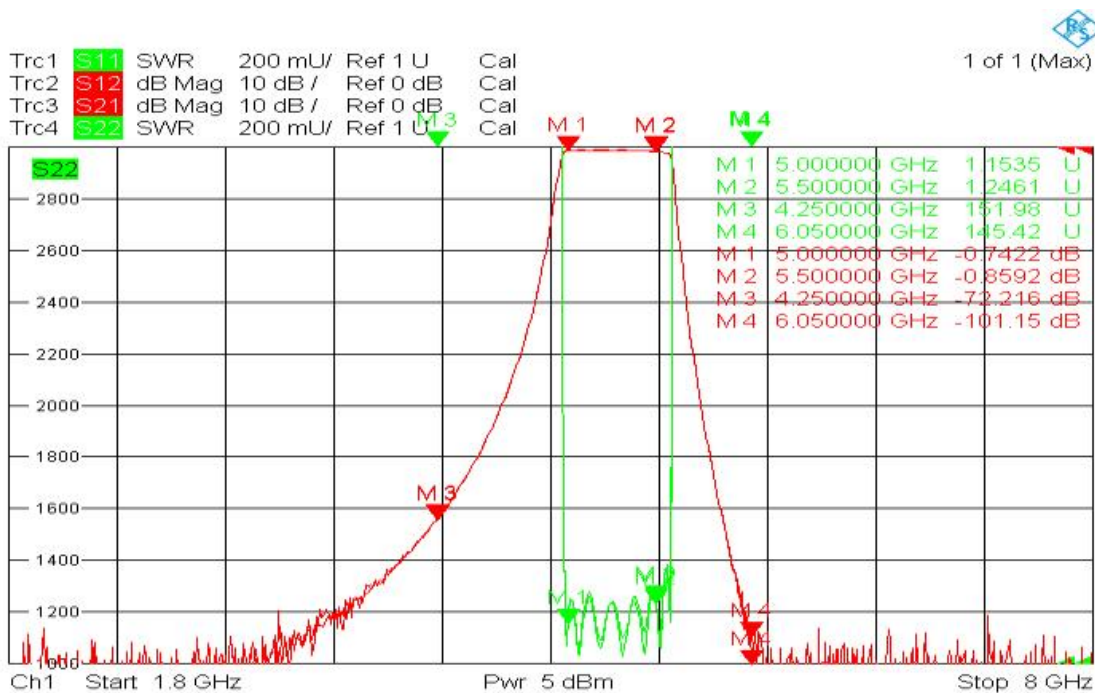


ESD Protection: Strictly adhere to ESD precautions to prevent electrostatic damage.

订货信息 Ordering Information:

标准型号 Base Number	描述 Description	版本号 Revision
TLBF-5G25-500M-E	Coaxial Band-pass Filter, Passband frequency range: 5-5.5GHz, Insertion Loss: 1.0dB, SMA Female/SMA Male	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.