

Coaxial Band-pass Filter

4.5-5 GHz/SMA Female/SMA Male

Model: TLBF-4G75-500M-E

TLBF-4G75-500M-E is a coaxial band-pass filter with a passband frequency from 4.5 to 5 GHz and a rejection frequencies from DC-3.9 GHz and 5.4 GHz. The maximum insertion loss of the filter is 1.2 dB and the typical rejection is 70 dB.

Features:

- Passband Frequency Range 4.5 to 5 GHz
- Low Insertion Loss
- High Rejection
- Steep Rejection Skirts
- Field Replaceable RF Connectors

Applications:

- Instrumentations
- Radar Systems
- System Integrations

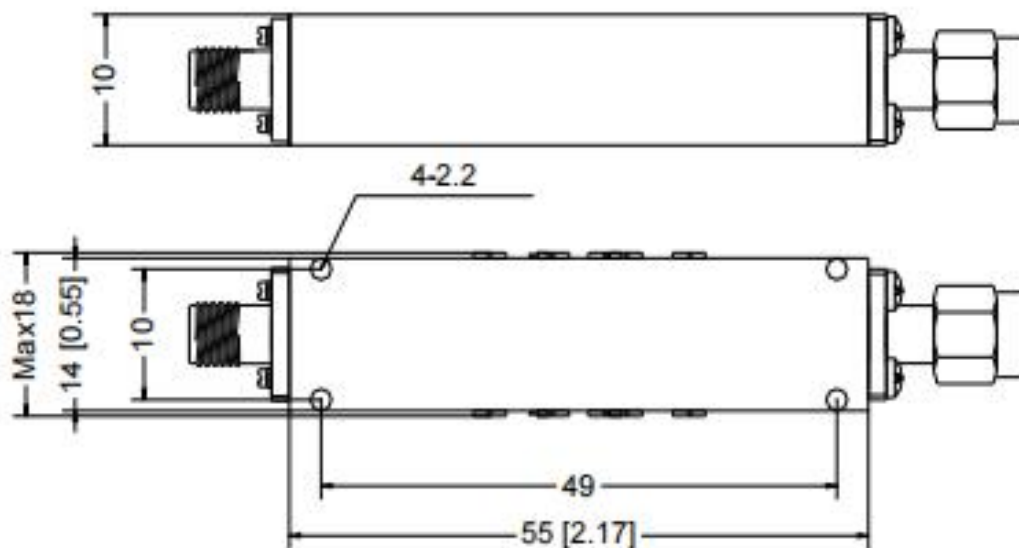
电气特性 Electrical Characteristics:

参数 Parameter	Min	Typ	Max	单位 Units
通带频率范围 Passband Frequency range	4.5		5	GHz
带宽 Band Width			0.5	GHz
通带插损 Passband Insertion Loss			1.2	dB
带内波导 Pass band Ripple	0.4			dB
群时延 Group Delay Flatness	1.3			NS
带外抑制 Rejection	>70dB@DC-3.9Ghz 5.4Ghz			
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 Envirionmental 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

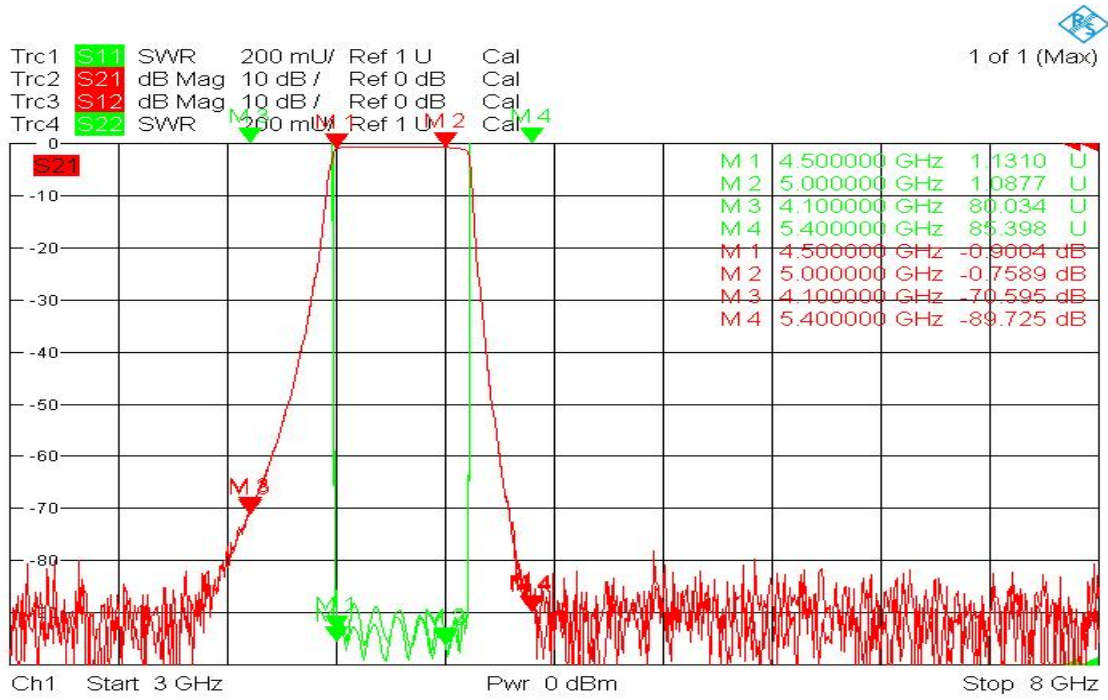


ESD Protection: Strictly adhere to ESD precautions to prevent electrostatic damage.

订货信息 Ordering Information:

标准型号 Base Number	描述 Description	版本号 Revision
TLBF-4G75-500M-E	Coaxial Band-pass Filter, Passband frequency range: 4.5-5GHz, Passband Insertion Loss: 1.2dB, 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.