

Coaxial Band-pass Filter

3.95-4.55GHz/ SMA Female /Male

Model: TLBF-4G25-600M-E

TLBF-4G25-600M-E is a coaxial band-pass filter with a passband frequency from 3.95 to 4.55GHz and a rejection frequencies from 0 to 3.25GHz and 5.05 GHz. The nominal insertion loss of the filter is 1.2 dB and the typical rejection is 70 dB.

Features:

- Passband Frequency Range 3.95 to 4.55GHz
- Low Insertion Loss
- High Rejection
- Steep Rejection Skirts

Applications:

- Instrumentations
- Radar Systems
- System Integrations

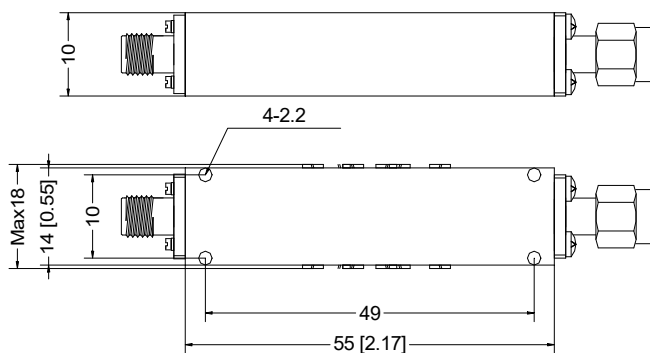
电气特性 Electrical Characteristics:

参数 Parameter	Min	Typ	Max	单位 Units
通带频率范围 Passband Frequency range	3.95	4.25	4.55	GHz
通带插损 Passband Insertion Loss			1.2	dB
带内纹波 Pass Band Ripple	0.4			dB
群延时平坦度 Group Delay Flatness	1.3			NS
带外抑制 Rejection	>70dB@DC-3.25Ghz 5.05Ghz			dB
耐受功率 Power Handling			15	W
输入驻波 Input VSWR			1.3	:1
输出驻波 Output VSWR			1.3	: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 Temperature	-40 To +70	°C
存储温度 Storage Temperature	-40 to +70	°C
接口 Connectors	SMA Female/Male	

外形图 Outline Drawing: Unit:mm;

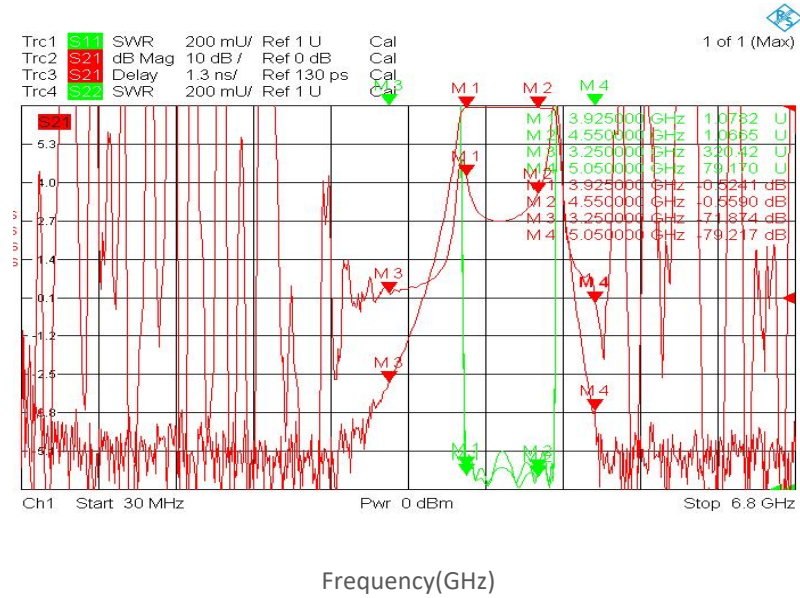


ESD Protection: Strictly adhere to ESD precautions to prevent electrostatic damage.

订货信息 Ordering Information:

标准型号 Base Number	描述 Description	版本号 Revision
TLBF-4G25-600M-E	Coaxial Band-pass Filter, Passband frequency range: 3.95 to 4.55GHz, Passband Insertion Loss: 1.2dB, SMA Female/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.