

Coaxial Band-pass Filter

2.75-4.75GHz/ SMA Female

Model: TLBF-2G75-4G75-S

TLBF-2G75-4G75-S is a coaxial band-pass filter with a passband frequency from 2.75 to 4.75 GHz and a rejection frequencies from 0 to 2.25GHz and 5.25 to 20GHz. The nominal insertion loss of the filter is 1.5dB and the typical rejection is 45 dB.

Features:

- Passband Frequency Range: 2.75 to 4.75 GHz
- Low Insertion Loss
- High Rejection
- Steep Rejection Skirts

Applications:

- Instrumentations
- Radar Systems
- System Integrations

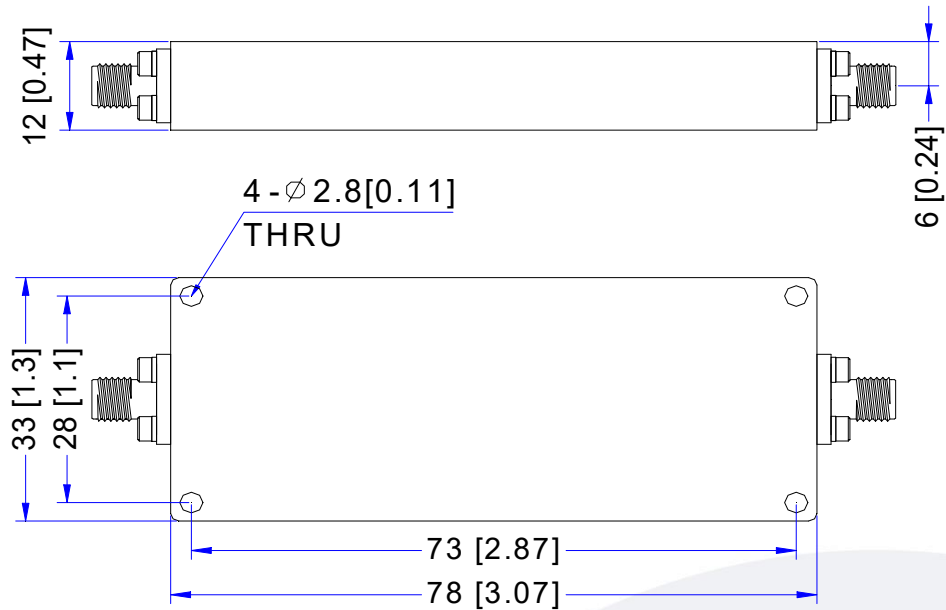
电气特性 Electrical Characteristics:

参数 Parameter	Min	Typ	Max	单位 Units
通带频率范围 Passband Frequency range	2.75		4.75	GHz
通带插损 Passband Insertion Loss		1.2	1.5	dB
带内纹波 Pass Band Ripple			1.0	dB
带外抑制 Rejection	>45dB@DC-2.25GHz&5.25-20GHz			dB
耐受功率 Power Handling			10	W
输入驻波 Input VSWR		1.5	1.8	:1
输出驻波 Output VSWR		1.5	1.8	: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	-45 To +80	℃
存储温度 Storage Temperature	-45 To +80	℃
接口 Connectors	SMA Female	

外形图 Outline Drawing: Unit:mm;

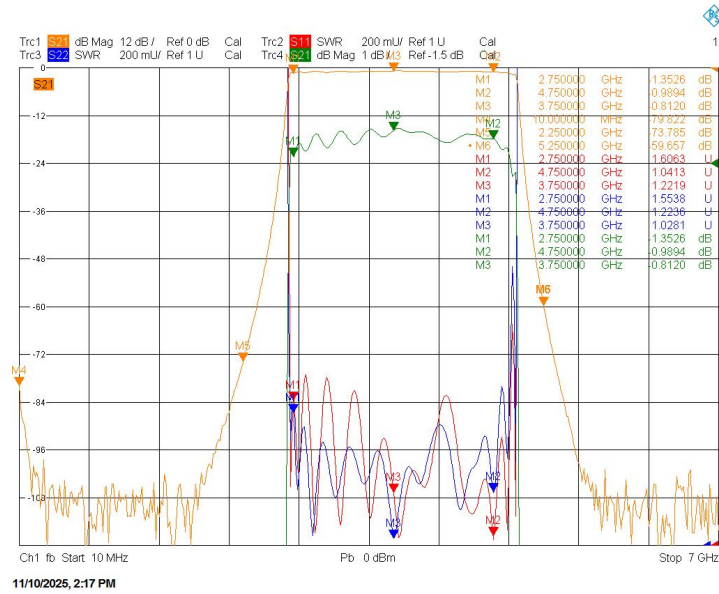


ESD Protection: Strictly adhere to ESD precautions to prevent electrostatic damage.

订货信息 Ordering Information:

标准型号 Base Number	描述 Description	版本号 Revision
TLBF-2G75-4G75-S	Coaxial Band-pass Filter, Passband frequency range: 2.75 to 4.75GHz, Passband Insertion Loss: 1.5dB, 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.