

Coaxial Band-pass Filter

3.75-3.85GHz/ SMA Female

Model: TLBF-3G8-100M-E

TLBF-3G8-100M-E is a coaxial band-pass filter with a passband frequency from 3.75 to 3.85GHz and a rejection frequencies at 3.55 and 4.05 GHz. The nominal insertion loss of the filter is 2.0 dB and the typical rejection is 50 dB.

Features:

- Passband Frequency Range: 3.75 to 3.85GHz
- Low Insertion Loss
- High Rejection
- Steep Rejection Skirts

Applications:

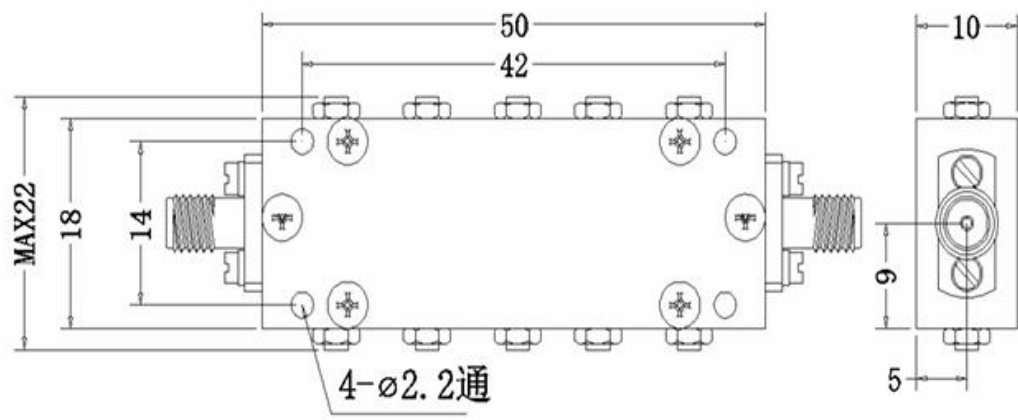
- Instrumentations
- Radar Systems
- System Integrations

电气特性 Electrical Characteristics:

参数 Parameter	Min	Typ	Max	Units
通带频率范围 Passband Frequency range	3.75	3.8	3.85	GHz
通带插损 Passband Insertion Loss			2.0	dB
带内纹波 Pass Band Ripple			1.8	dB
带外抑制 Rejection	>50dB@f0±250MHz			dB
耐受功率 Power Handling			15	W
输入驻波 Input VSWR			1.5	:1
输出驻波 Output VSWR			1.5	:1
阻抗 Impedance	50			Ohms

环境和机械特性 Envirionmental And Physical Characteristics:

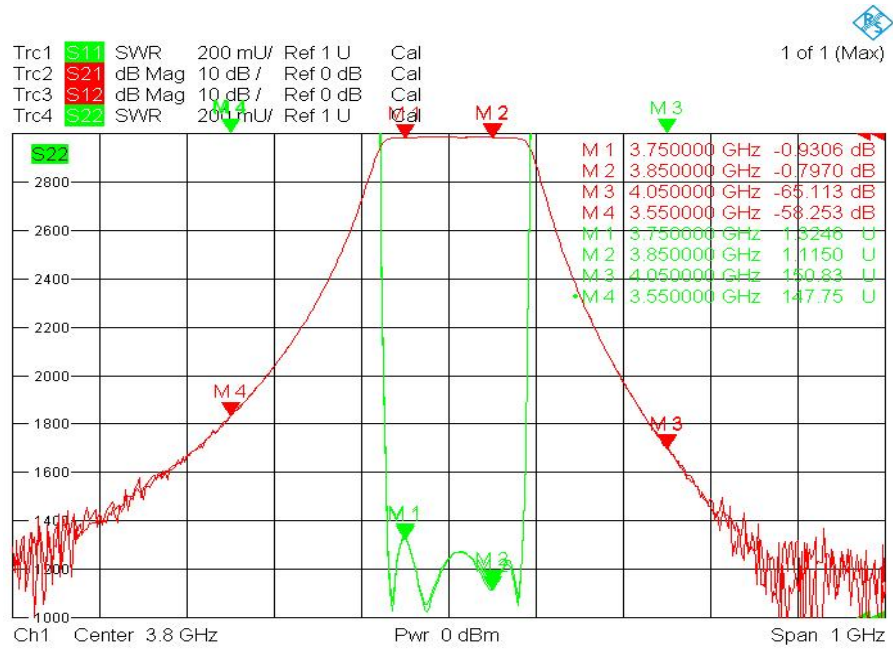
类型 Description	参数 Parameter	单位 Units
操作温度 Operating Temperature	-40 To +70	℃
存储温度 Storage Temperature	-40 to +70	℃
接口 Connectors	SMA Female	



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

标准型号 Base Number	描述 Description	版本号 Revision
TLBF-3G8-100M-E	Coaxial Band-pass Filter,Passband frequency range:3.75 to 3.85GHz ,Passband 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.