

Coaxial Band-pass Filter

5.075-5.275 GHz/SMA Female

Model: TLBF-5G175-200M-E

TLBF-5G175-200M-E is a coaxial band-pass filter with a passband frequency from 5.075 to 5.275 GHz and a rejection frequencies from 0.295 GHz to 4.505 GHz. The maximum insertion loss of the filter is 2.5 dB and the typical rejection is 100 dB.

Features:

- Passband Frequency Range 5.075 to 5.275 GHz
- High Rejection
- Steep Rejection Skirts
- Field Replaceable RF Connectors

Applications:

- Instrumentations
- Radar Systems
- System Integrations

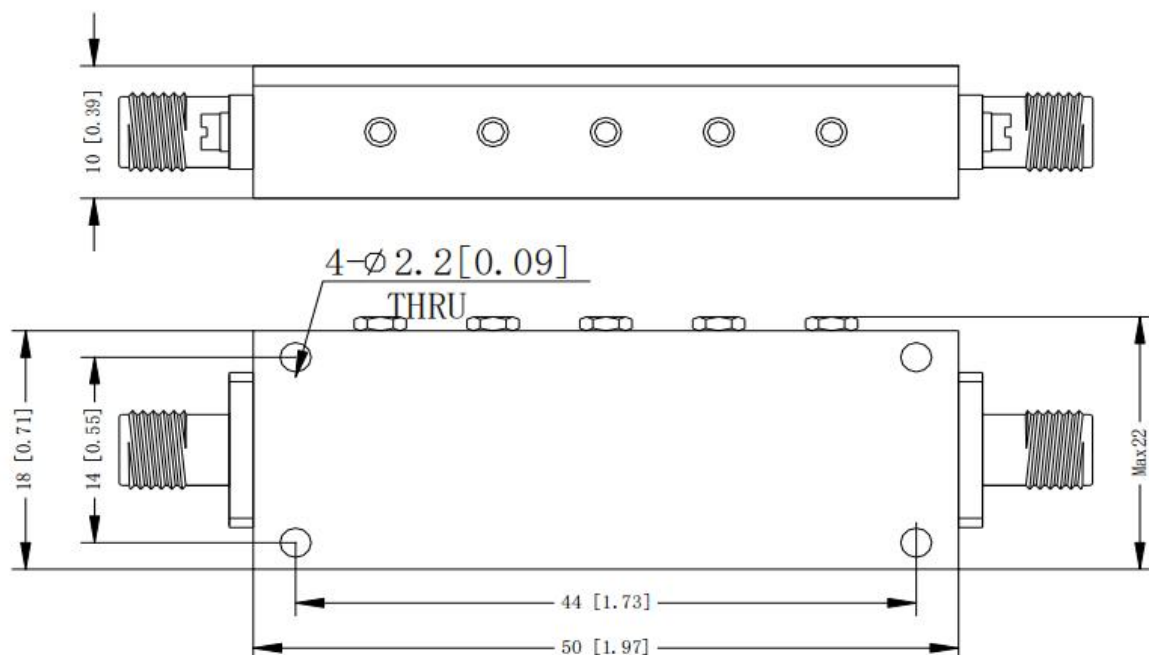
电气特性 Electrical Characteristics:

参数 Parameter	Min	Typ	Max	单位 Units
通带频率范围 Passband Frequency range	5.075		5.275	GHz
带宽 Band Width			0.2	GHz
通带插损 Passband Insertion Loss			2.5 ≤2.0dB(5095-5255MHz)	dB
带内波动 Pass Band Ripple			≤0.6dB(5095-5255MHz)	dB
带外抑制 Rejection	295-4505MHz≥100dBc 4505-4987.5MHz≥20dBc 6275-7012.5MHz≥15dBc 7012.5-8125MHz≥25dBc 9225-9975MHz≥80dBc 14025-14775MHz≥20dBc			
耐受功率 Power Handling			20	W
驻波 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 Temerature	-40 To +70	℃
接口 Connectors	SMA Female	

外形图 Outline Drawing: Unit:mm

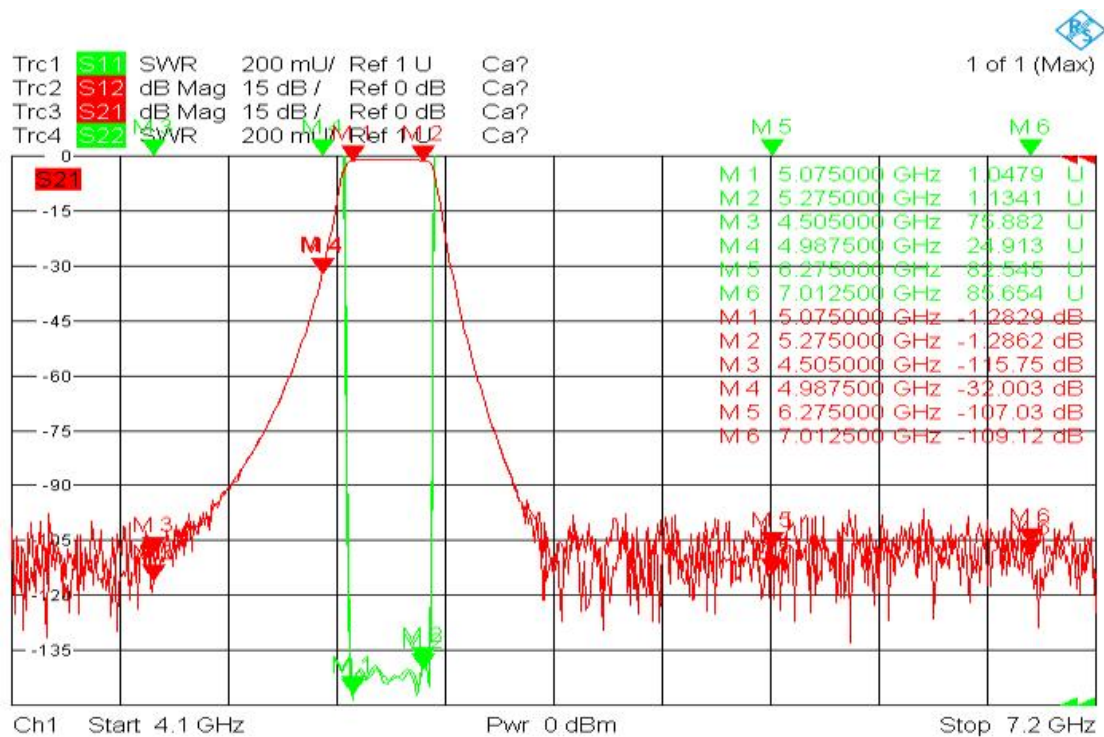


ESD Protection: Strictly adhere to ESD precautions to prevent electrostatic damage.

订货信息 Ordering Information:

标准型号 Base Number	描述 Description	版本号 Revision
TLBF-5G175-200M-E	Coaxial Band-pass Filter, Passband frequency range: 5.075-5.275GHz, 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.