

Coaxial Band-pass Filter

5.75-5.85GHz/SMA Female

Model: TLBF-5G8-100M-E

TLBF-5G8-100M-E is a coaxial band-pass filter with a passband frequency from 5.75 to 5.85 GHz and a rejection frequencies from 5.56 GHz to 6.04 GHz. The maximum fo insertion loss of the filter is 2.0 dB and the typical rejection is 50 dB.

Features:

- Passband Frequency Range 5.75 to 5.85 GHz
- High Rejection
- Steep Rejection Skirts
- Field Replaceable RF Connectors

Applications:

- Instrumentations
- Radar Systems
- System Integrations

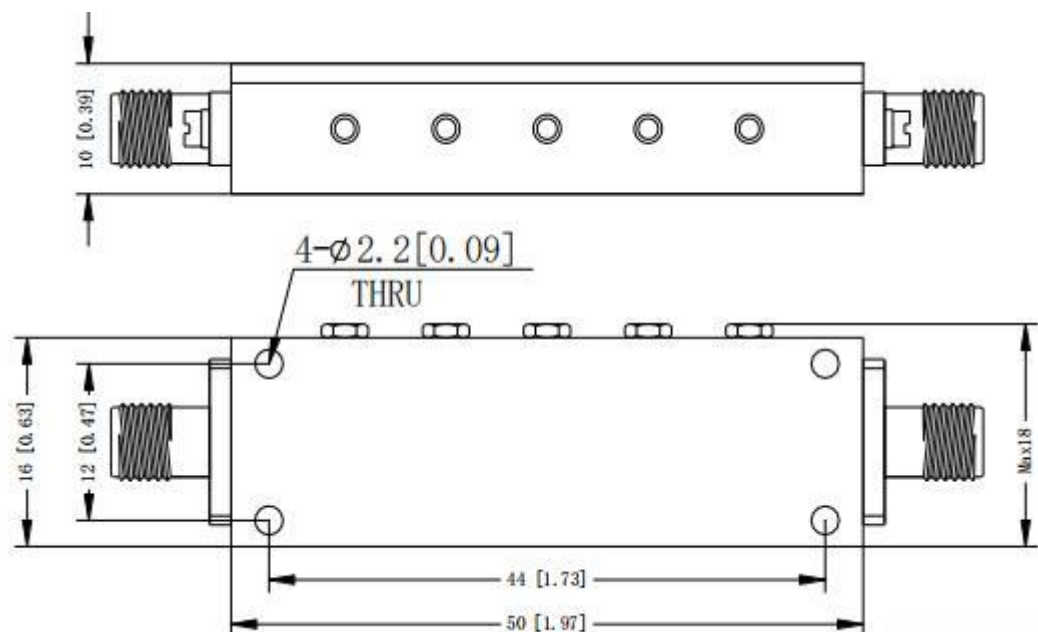
电气特性 Electrical Characteristics:

参数 Parameter	Min	Typ	Max	单位 Units
通带频率范围 Passband Frequency range	5.75		5.85	GHz
带宽 Band Width			0.1	GHz
插损 Insertion Loss(f ₀)			2.0	dB
带内波动 Pass Band Ripple			1.8	dB
带外抑制 Rejection	>40dB@f ₀ ±240MHZ			
耐受功率 Power Handling			15	W
驻波 VSWR			1.5	:1
阻抗 Impedance	50			Ohms

环境和机械特性 Envriionmental 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	

外形图 Outline Drawing: Unit:mm

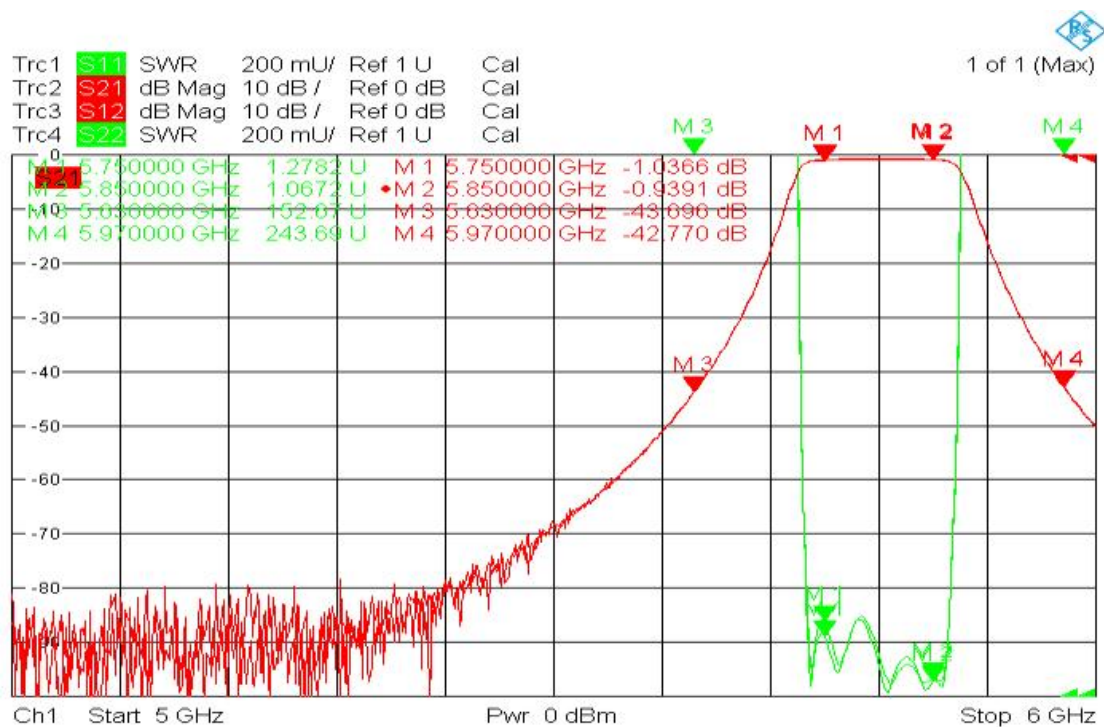


ESD Protection: Strictly adhere to ESD precautions to prevent electrostatic damage.

订货信息 Ordering Information:

标准型号 Base Number	描述 Description	版本号 Revision
TLBF-5G8-100M-E	Coaxial Band-pass Filter, Passband frequency range: 5.75-5.85GHz, fo 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.