

Coaxial Band-pass Filter

5.7-5.9GHz/SMA Female

Model: TLBF-5G8-200M-E

TLBF-5G8-200M-E is a coaxial band-pass filter with a passband frequency from 5.7 to 5.9 GHz and a rejection frequencies from 5.4 GHz to 6.2 GHz. The maximum fo insertion loss of the filter is 2.5 dB and the typical rejection is 40 dB.

Features:

- Passband Frequency Range 5.7 to 5.9 GHz
- High Rejection
- Steep Rejection Skirts
- Field Replaceable RF Connectors

Applications:

- Instrumentations
- Radar Systems
- System Integrations

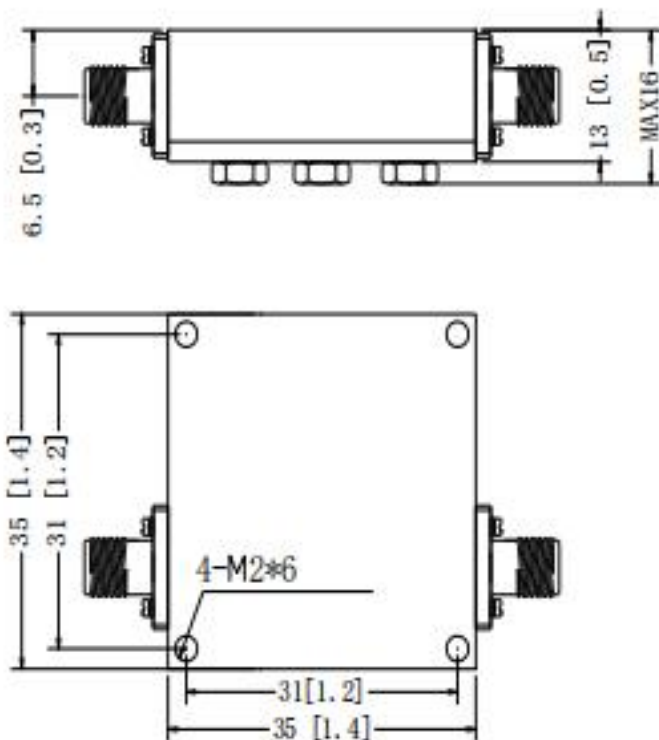
电气特性 Electrical Characteristics:

参数 Parameter	Min	Typ	Max	单位 Units
通带频率范围 Passband Frequency range	5.7		5.9	GHz
带宽 Band Width			0.2	GHz
插损 Insertion Loss(f ₀)			2.5	dB
带内波动 Pass Band Ripple			2.8	dB
带外抑制 Rejection	>40dB@f ₀ ±400MHZ			
耐受功率 Power Handling			50	W
驻波 VSWR			1.6	: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

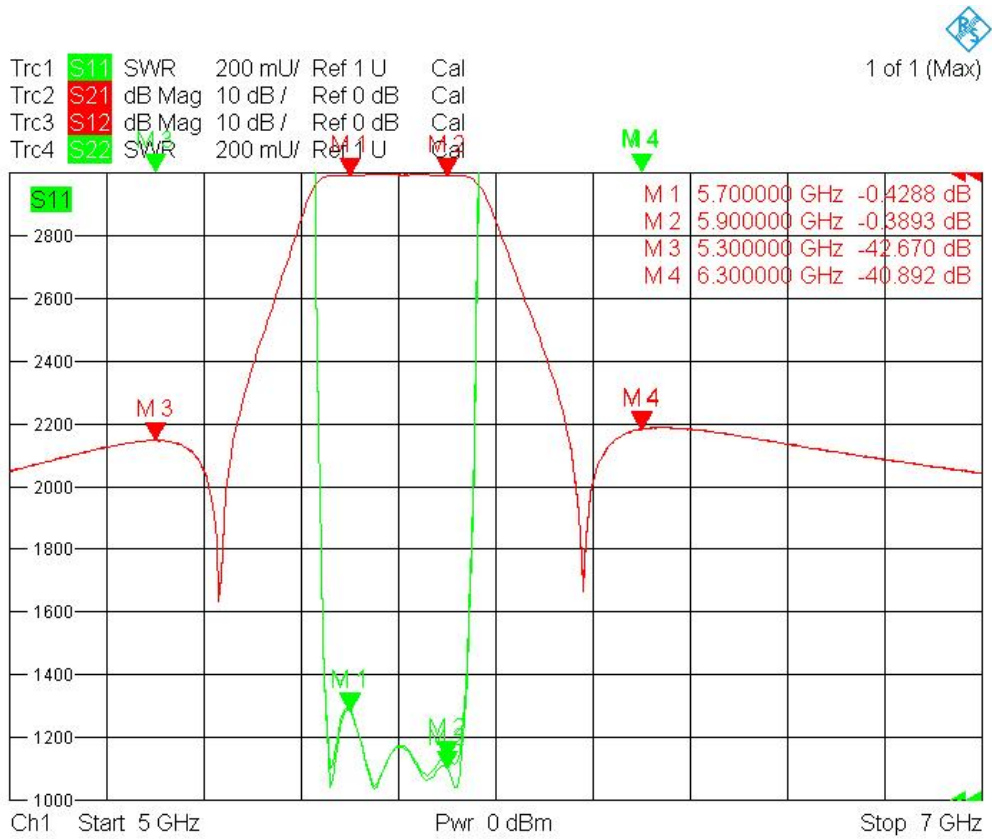


ESD Protection: Strictly adhere to ESD precautions to prevent electrostatic damage.

订货信息 Ordering Information:

标准型号 Base Number	描述 Description	版本号 Revision
TLBF-5G8-200M-E	Coaxial Band-pass Filter, Passband frequency range: 5.7-5.9GHz, fo Insertion Loss: 2.5dB, 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.