

Coaxial Band-pass Filter

5.05-6.05 GHz/SMA Female

Model: TLBF-5G55-1G-E

TLBF-5G55-1G-E is a coaxial band-pass filter with a passband frequency from 5.05 to 6.05 GHz and a rejection frequencies from 295 MHz to 4550 MHz. The maximum insertion loss of the filter is 1.5 dB and the typical rejection is 100 dB.

Features:

- Passband Frequency Range 5.05 to 6.05 GHz
- Low Insertion Loss
- High Rejection
- Steep Rejection Skirts
- Field Replaceable RF Connectors

Applications:

- Instrumentations
- Radar Systems
- System Integrations

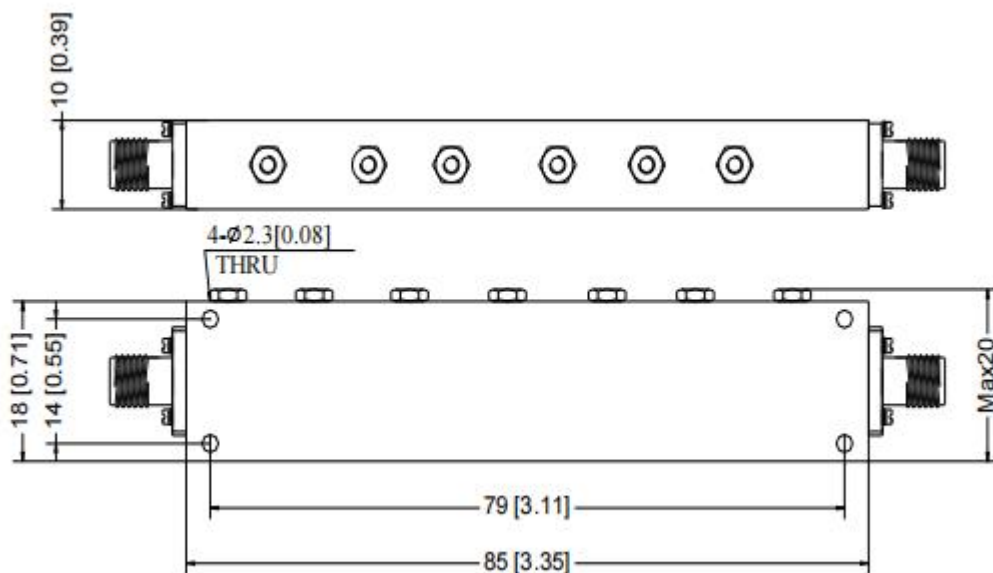
电气特性 Electrical Characteristics:

参数 Parameter	Min	Typ	Max	单位 Units
通带频率范围 Passband Frequency range	5.05		6.05	GHz
带宽 Band Width			1	GHz
通带插损 Passband Insertion Loss			1.5	dB
带内波动 Pass Band Ripple	0.8			dB
带外抑制 Rejection	295-4550MHz≥100dBc 4650-4987.5MHz≥10dBc 6150-6525MHz≥15dBc 6525-7012.5MHz≥15dBc 7012.5-8125MHz≥30dBc 8850-10350MHz≥90dBc 13650-15150MHz≥20dBc			dB
耐受功率 Power Handling			15	W
驻波 VSWR			1.3	:1
阻抗 Impedance	50			Ohms

环境和机械特性 Envriomental And Physical Characteristics:

类型 Description	参数 Parameter	单位 Units
操作温度 Operating Temperature	-40 To +70	°C
接口 Connectors	SMA Female	

外形图 Outline Drawing: Unit:mm

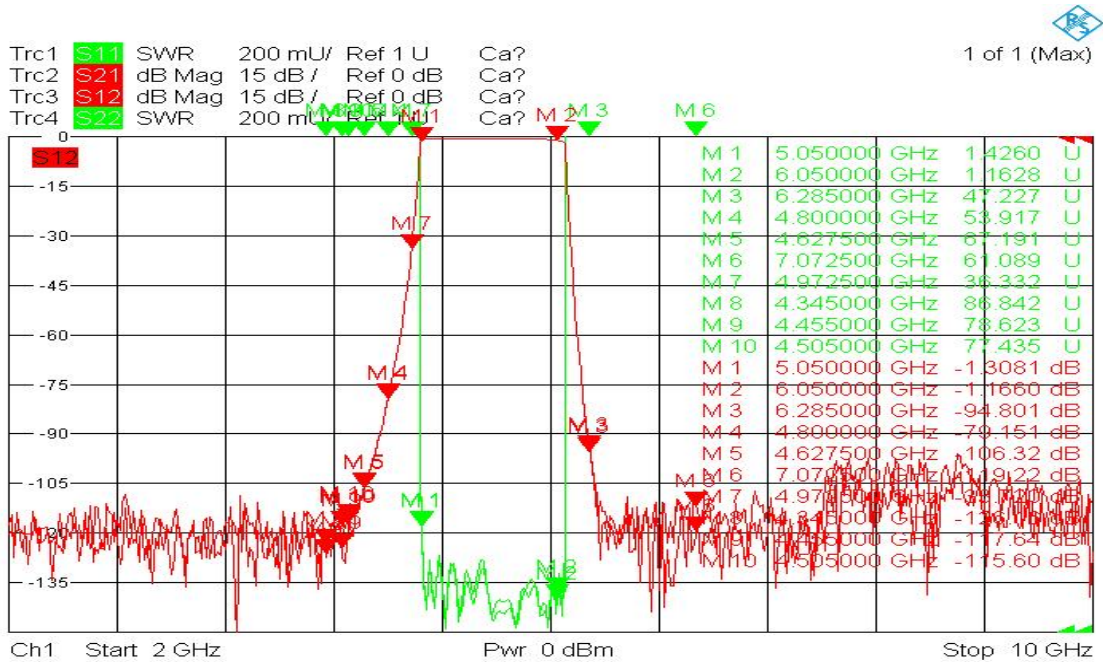


ESD Protection: Strictly adhere to ESD precautions to prevent electrostatic damage.

订货信息 Ordering Information:

标准型号 Base Number	描述 Description	版本号 Revision
TLBF-5G55-1G-E	Coaxial Band-pass Filter, Passband frequency range: 5.05-6.05GHz, 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.