

Coaxial Bandpass Filter

6.2-6.8 GHz/SMA Female/SMA Male

Model: TLBF-6G5-600M-E-Cryo

TLBF-6G5-600M-E-Cryo is a coaxial bandpass filter with a passband frequency from 6.2 to 6.8 GHz . The nominal insertion loss of the filter is 1.2 dB and the typical rejection is 70 dB.

Features:

- Passband Frequency Range:6.2-6.8 GHz
- Low Insertion Loss
- High Rejection
- Steep Rejection Skirts
- Field Replaceable RF Connectors

Applications:

- Instrumentations
- Radar Systems
- System Integrations

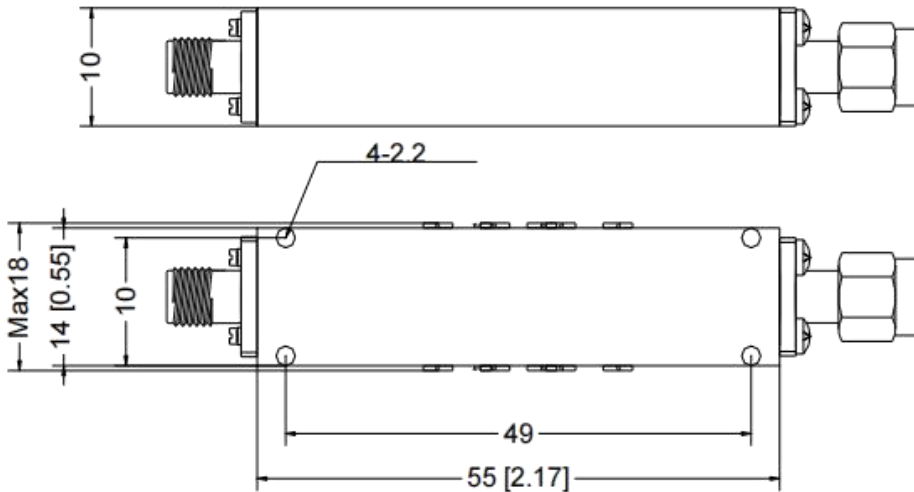
电气特性 Electrical Characteristics:

参数 Parameter	Min	Typ	Max	单位 Units
通带频率范围 Passband Frequency range	6.2		6.8	GHz
宽带 Band Width			600	MHz
通带插损 Passband Insertion Loss			1.2	dB
带内波动 Pass Band Ripple	0.4			dB
群时延平坦度 Group Delay Flatness	1.3			NS
带外抑制 Rejection	>70dB@DC-5.5Ghz 7.3Ghz			dB
耐受功率 Power Handling			15	W
输入驻波 Input VSWR			1.3	: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
接口 Connectors	SMA Female/SMA Male	
尺寸 Size	55*18*10	mm

外形图 Outline Drawing: Unit:mm



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

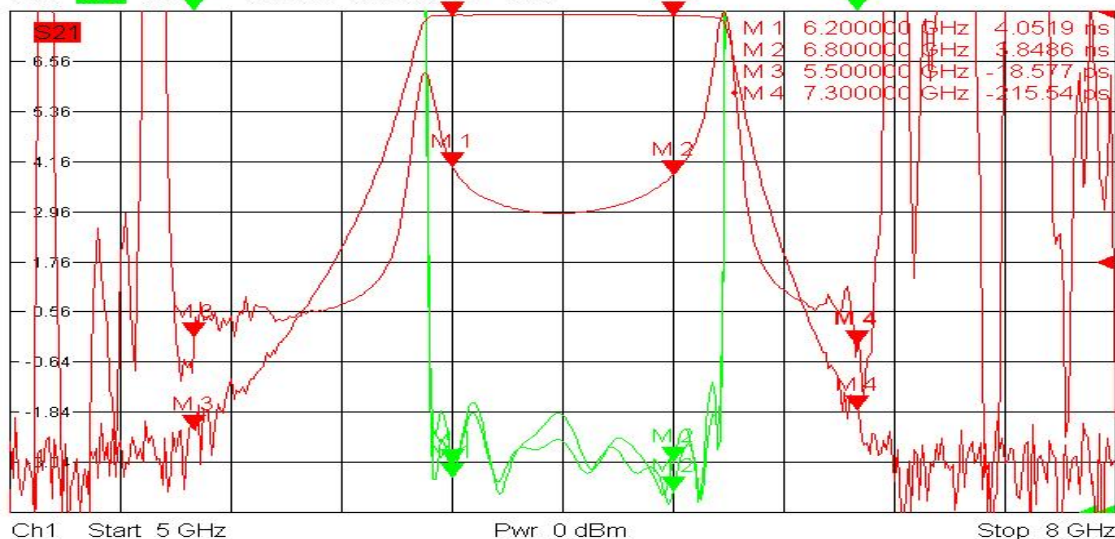
订货信息 Ordering Information:

标准型号 Base Number	描述 Description	版本号 Revision
TLBF-6G5-600M-E-Cryo	Coaxial Bandpass Filter, Passband frequency range :6.2-6.8GHz, Passband Insertion Loss:1.2dB, SMA Female/SMA Male	Rev.1.0

典型曲线 Typical Performance Data:

Trc1 **S11** SWR 100 mU/ Ref 1 U Cal
Trc2 **S21** Delay 1.2 ns/ Ref 1.76 ns Cal
Trc3 **S12** dB Mag 10 dB / Ref 0 dB Cal
Trc4 **S22** SWR 100 mU/ Ref 1 U Cal

1 of 1 (Max)



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.