

Coaxial Bandpass Filter

6.2-7.8 GHz/SMA Female

Model: TLBF-6G2-7G8-E-Cryo

TLBF-6G2-7G8-E-Cryo is a coaxial bandpass filter with a passband frequency from 6.2 to 7.8 GHz and a rejection frequencies from DC to 5.6 GHz and 8.3 to 18GHz(rejection $\geq$ 50dB). The nominal insertion loss of the filter is 1.0 dB and the typical rejection is 40 dB.

Features:

- Passband Frequency Range 6.2 to 7.8 GHz
- Low Insertion Loss
- High Rejection
- Steep Rejection Skirts
- Field Replaceable RF Connectors

Applications:

- Instrumentations
- Radar Systems
- System Integrations

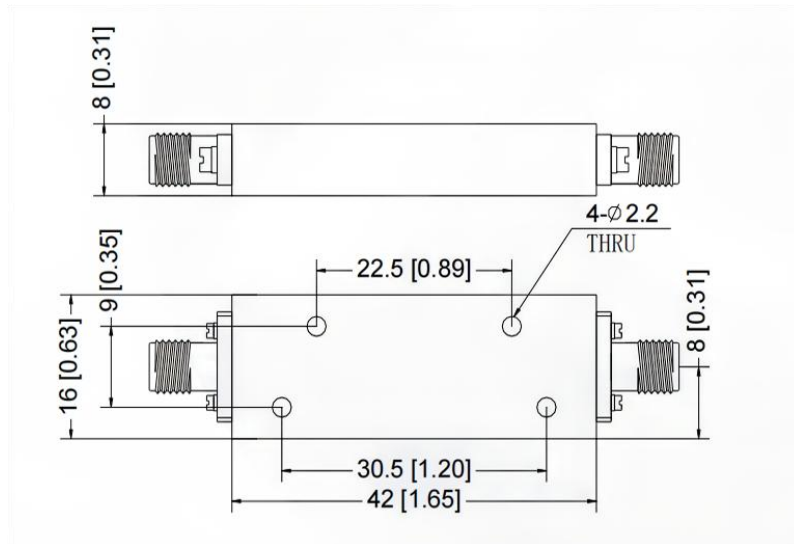
电气特性 Electrical Characteristics:

参数 Parameter		Min	Typ	Max	单位 Units
通带频率范围 Passband Frequency range		6.2		7.8	GHz
通带插损 Passband Insertion Loss				1.0	dB
带内纹波 Pass Band Ripple			0.9		dB
带外抑制 Rejection	@DC-5.7GHz	40			dB
	@8.3-12GHz	40			
耐受功率 Power Handling				10	W
输入驻波 Input VSWR				1.6	:1
输出驻波 Output VSWR				1.6	: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
材质 Material	OFC	
表面处理 Finish	Gold Plated	
接口 Connectors	SMA Female	
尺寸 Size	42*16*8	

外形图 Outline Drawing: Unit:mm



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

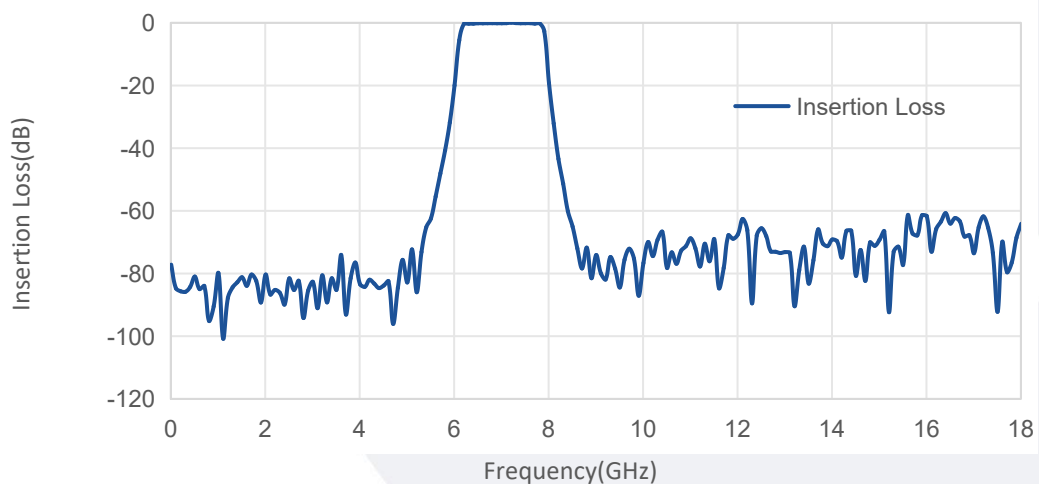
订货信息 Ordering Information:

标准型号 Base Number	描述 Description	版本号 Revision
TLBF-6G2-7G8-E-Cryo	Coaxial Bandpass Filter, Passband frequency range: 6.2-7.8GHz, Passband Insertion Loss: 1.0dB, SMA Female	Rev.1.1

典型曲线 Typical Performance Data:

TEM=4K:

Insertion Loss vs Frequency



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.