

Coaxial Band-pass Filter

6-18 GHz/SMA Female

Model: TLBF-6G-18G-X2

TLBF-6G-18G-X2 is a coaxial band-pass filter with a passband frequency from 6 to 18 GHz and a rejection frequencies from DC-4.8GHz and 21-24 GHz. The maximum insertion loss of the filter is 1.2 dB and the typical rejection is 50 dB.

Features:

- Passband Frequency Range 6 to 18 GHz
- Low Insertion Loss
- High Rejection
- Steep Rejection Skirts

Applications:

- Instrumentations
- Radar Systems
- System Integrations

电气特性 Electrical Characteristics:

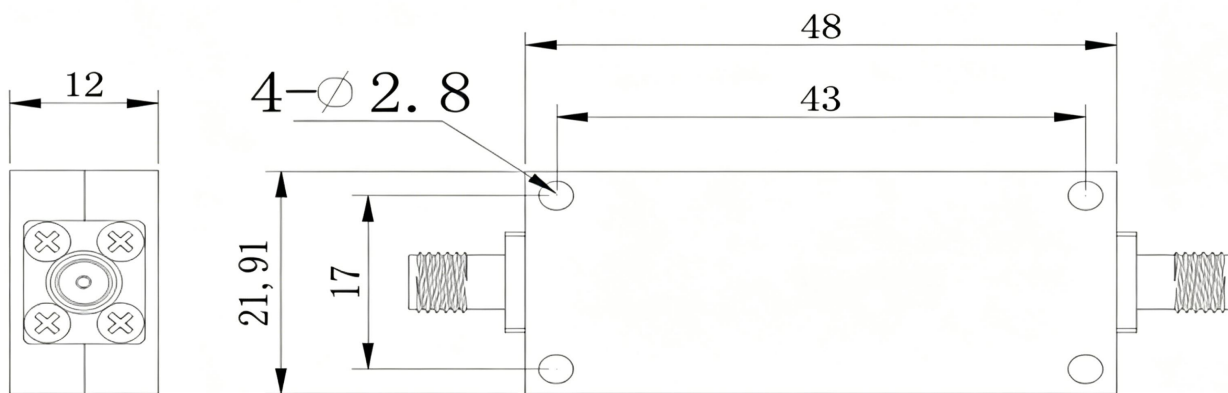
参数 Parameter	Min	Typ	Max	单位 Units
通带频率范围 Passband Frequency range	6		18	GHz
带宽 Band Width			12	GHz
通带插损 Passband Insertion Loss			1.2	dB
带内波动 Pass Band Ripple			1.0	dB
带外抑制 Rejection	>50dB@dc-4.8Ghz 21-24Ghz			dB
耐受功率 Power Handling			15	W
驻波 VSWR			1.8	:1
阻抗 Impedance	50			Ohms

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 Temperature	-40 To +70	°C
接口 Connectors	SMA Female	
重量 Weight	/	g

外形图 Outline Drawing:

Unit:mm



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

订货信息 Ordering Information:

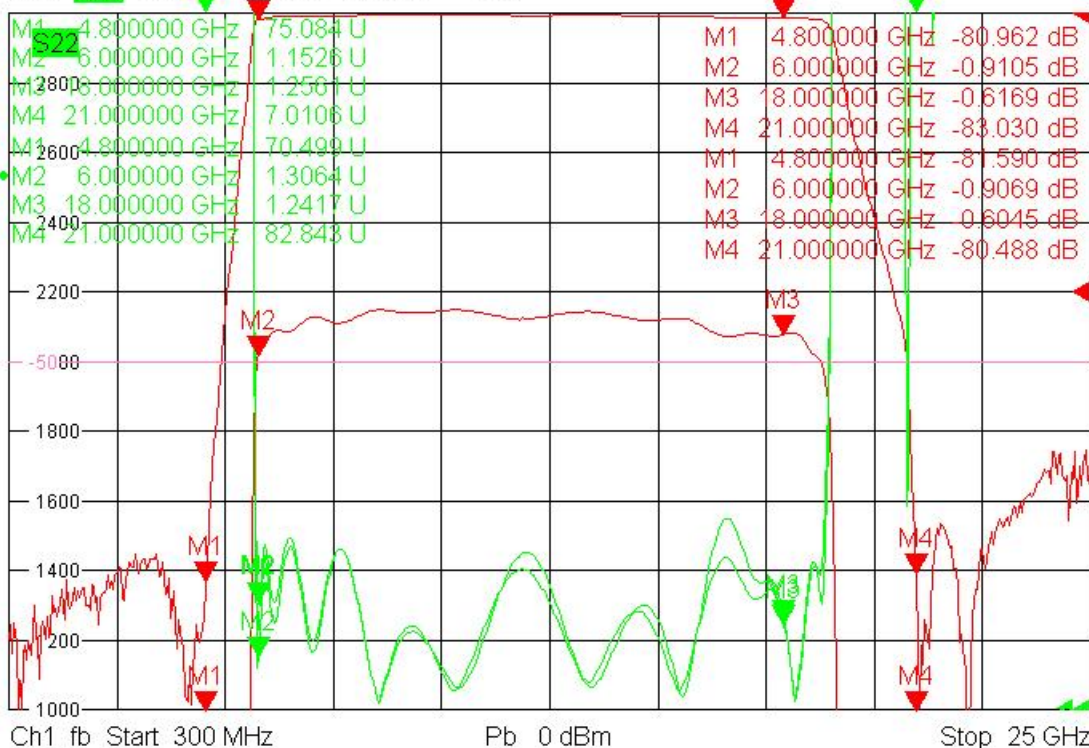
标准型号 Base Number	描述 Description	版本号 Revision
TLBF-6G-18G-X2	Coaxial Band-pass Filter, Passband frequency range: 6-18GHz, Passband Insertion Loss: 1.2dB, SMA Female	Rev.1.0

典型曲线 Typical Performance Data:



1

Trc1 **S11** SWR 200 mU/ Ref 1 U Cal
Trc2 **S12** dB Mag 1 dB / Ref 0 dB Cal
Trc3 **S21** dB Mag 10 dB / Ref 0 dB Cal
Trc4 **S22** SWR 200 mU/ Ref 1 U Cal



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.