

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

Electrical Characteristics:

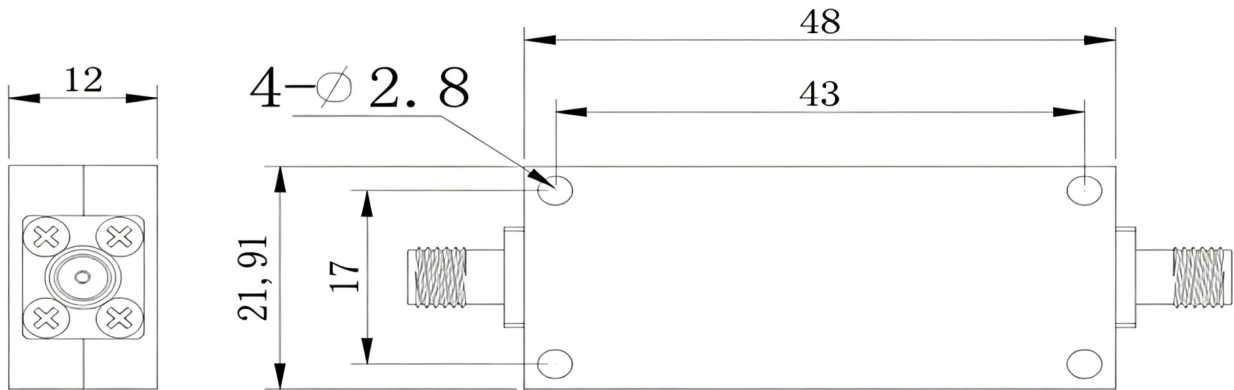
Parameter	Min	Typ	Max	Units
通Passband Frequency range	6		18	GHz
Band Width			12	GHz
Passband Insertion Loss			1.2	dB
Pass Band Ripple			1.0	dB
Rejection	>50dB@dc-4.8Ghz 21-24Ghz			dB
Power Handling			15	W
VSWR			1.8	:1
Impedance	50			Ohms

Envrionmental And Physical Characteristics:

Description	Parameter	Units
Operating Temerature	-40 To +70	°C
Connectors	SMA Female	
Weight	/	g

Outline Drawing:

Unit:mm



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

Ordering Information:

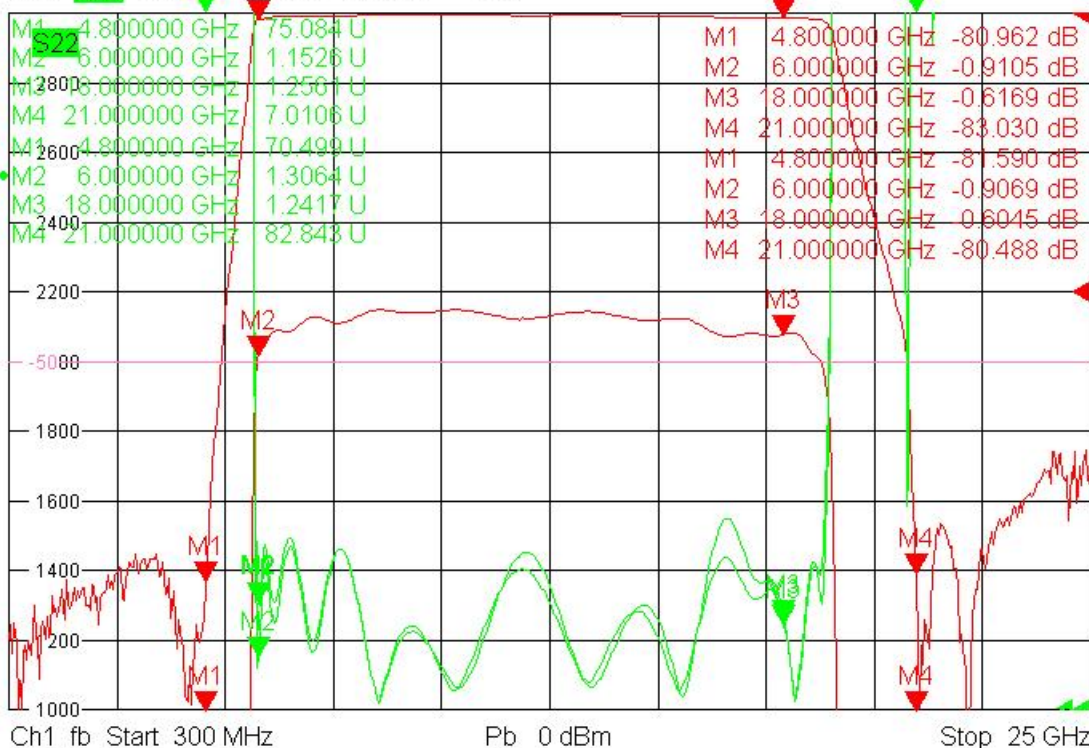
Base Number	Description	Revision
TLBF-6G-18G-X2	Coaxial Band-pass Filter, Passband frequency range: 6-18 GHz, Passband Insertion Loss: 1.2 dB, SMA Female	Rev.1.0

Typical Performance Data:



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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.