

Coaxial Band-pass Filter

6.5-10GHz/ SMA Female

Model: TLBF-6G5-10G-X2

TLBF-6G5-10G-X2 is a coaxial band-pass filter with a passband frequency from 6.5 to 10 GHz and a rejection frequencies from 0 to 5.8GHz and 12.5 to 16GHz. The nominal insertion loss of the filter is 1.5 dB and the typical rejection is 50 dB.

Features:

- Passband Frequency Range: 6.5 to 10 GHz
- Low Insertion Loss
- High Rejection
- Steep Rejection Skirts

Applications:

- Instrumentations
- Radar Systems
- System Integrations

Electrical Characteristics:

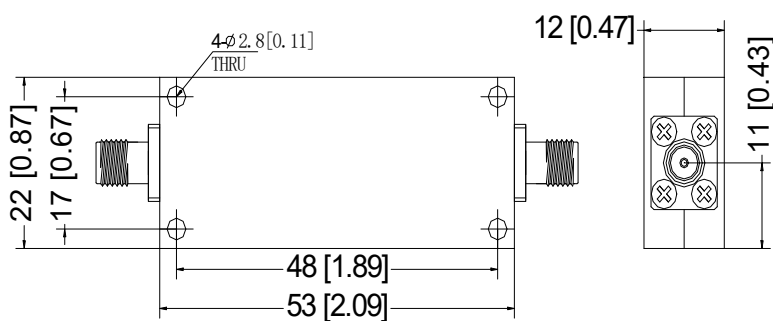
Parameter	Min	Typ	Max	Units
Passband Frequency range	6.5		10	GHz
Passband Insertion Loss			1.5	dB
Pass Band Ripple			1.3	dB
Rejection	>30dB@dc-5.8Ghz >50dB@12.5-16Ghz			dB
Power Handling			15	W
Input VSWR			1.8	:1
Output VSWR			1.8	:1
Impedance	50			Ohms

Envrionmental And Physical Characteristics:

Description	Parameter	Units
Operating Temerature	-40 To +70	°C
Storage Temperature	-40 to +70	°C
Connectors	SMA Female	

Outline Drawing:

Unit:mm;

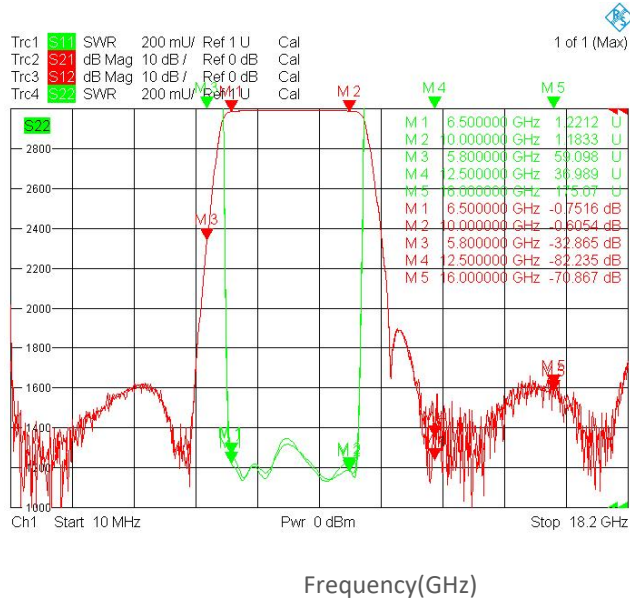


ESD Protection: Strictly adhere to ESD precautions to prevent electrostatic damage.

Ordering Information:

Base Number	Description	Revision
TLBF-6G5-10G-X2	Coaxial Band-pass Filter, Passband frequency range: 6.5 to 10GHz, Passband Insertion Loss: 1.5dB, SMA Female	Rev.1.0

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.