

Coaxial Band-pass Filter

4-12GHz/ SMA Female

Model: TLBF-4G-12G-X2

TLBF-4G-12G-X2 is a coaxial band-pass filter with a passband frequency from 4 to 12 GHz and a rejection frequencies from 0 to 3GHz and 13.9 to 40GHz. The nominal insertion loss of the filter is 2.0 dB and the typical rejection is 50 dB.

Features:

- Passband Frequency Range: 4 to 12GHz
- Low Insertion Loss
- High Rejection
- Steep Rejection Skirts

Applications:

- Instrumentations
- Radar Systems
- System Integrations

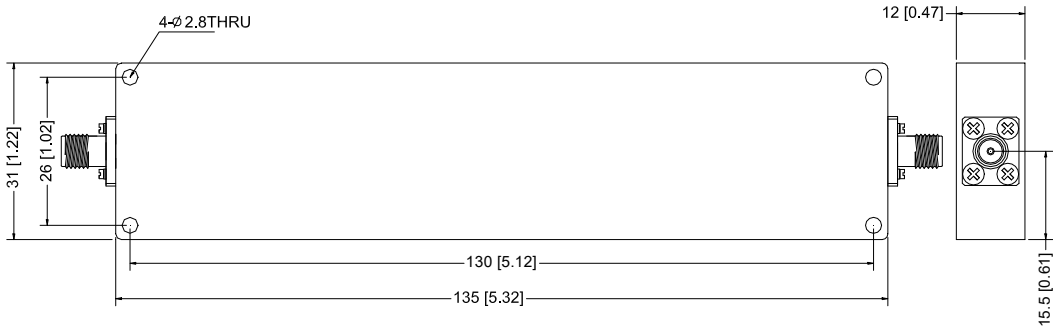
Electrical Characteristics:

Parameter	Min	Typ	Max	Units
Passband Frequency range	4		12	GHz
Passband Insertion Loss			2.0	dB
Pass Band Ripple			1.6	dB
Rejection	>50dB@dc-3Ghz 13.9-40Ghz			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-4G-12G-X2	Coaxial Band-pass Filter, Passband frequency range: 4 to 12GHz , Passband Insertion Loss: 2.0dB, SMA Female	Rev.1.0