

Coaxial Band-pass Filter

2.1-3.1GHz/ SMA Female

Model: TLBF-2G1-3G1-X

TLBF-2G1-3G1-X is a coaxial band-pass filter with a passband frequency from 2.1 to 3.1GHz and a rejection frequencies from 0 to 1.7GHz and 3.6 to 8GHz. The nominal insertion loss of the filter is 1.5dB and the typical rejection is 40 dB.

Features:

- Passband Frequency Range 2.1 to 3.1GHz
- Low Insertion Loss
- High Rejection
- Steep Rejection Skirts

Applications:

- Instrumentations
- Radar Systems
- System Integrations

Electrical Characteristics:

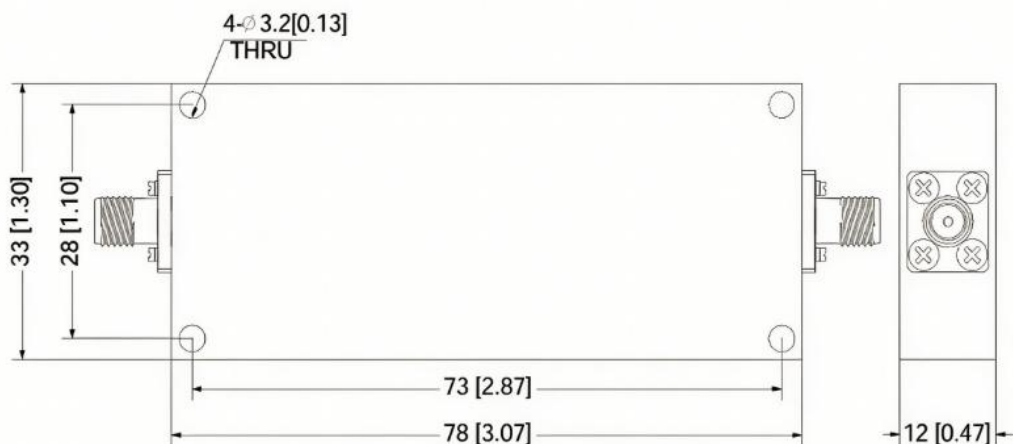
Parameter	Min	Typ	Max	Units
Passband Frequency range	2.1		3.1	GHz
Passband Insertion Loss			1.5	dB
Pass Band Ripple			1.2	dB
Rejection	>40dB@dc-1.7 Ghz 3.6-8Ghz			dB
Power Handling			15	W
Input VSWR			1.8	:1
Output VSWR			1.8	:1
阻抗 Impedance	50			Ohms

Envrionmental And Physical Characteristics:

Description	Parameter	Units
Operating Temerature	-40 To +70	°C
Storage Temerature	-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-2G1-3G1-X	Coaxial Band-pass Filter, Passband frequency range: 2.1 to 3.1GHz, Passband Insertion Loss: 1.5dB, SMA Female	Rev.1.0