

Coaxial Band-pass Filter

2.75-4.75GHz/ SMA Female

Model: TLBF-2G75-4G75-S

TLBF-2G75-4G75-S is a coaxial band-pass filter with a passband frequency from 2.75 to 4.75 GHz and a rejection frequencies from 0 to 2.25GHz and 5.25 to 20GHz. The nominal insertion loss of the filter is 1.5dB and the typical rejection is 45 dB.

Features:

- Passband Frequency Range: 2.75 to 4.75 GHz
- Low Insertion Loss
- High Rejection
- Steep Rejection Skirts

Applications:

- Instrumentations
- Radar Systems
- System Integrations

Electrical Characteristics:

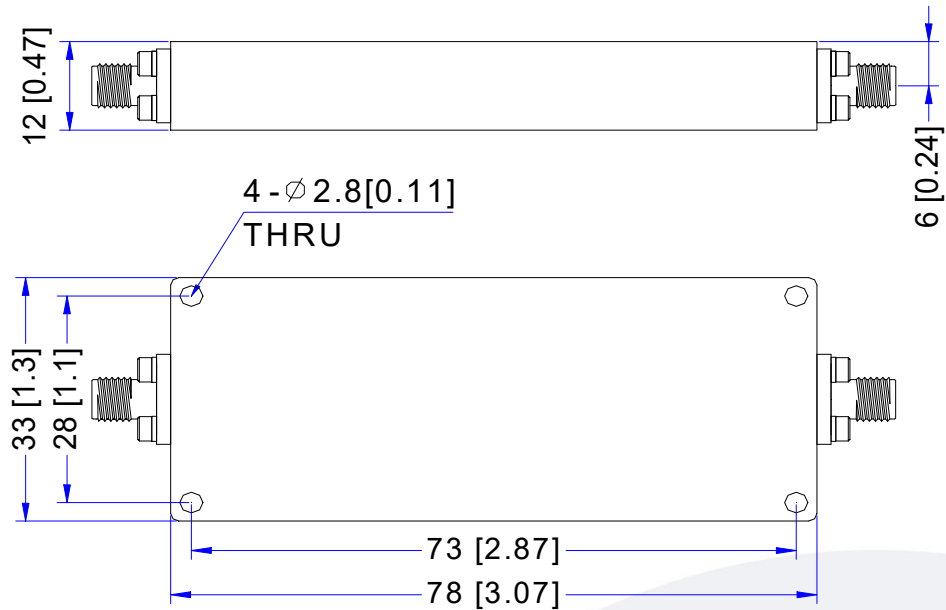
Parameter	Min	Typ	Max	Units
Passband Frequency range	2.75		4.75	GHz
Passband Insertion Loss		1.2	1.5	dB
Pass Band Ripple			1.0	dB
Rejection	>45dB@DC-2.25GHz&5.25-20GHz			dB
Power Handling			10	W
Input VSWR		1.5	1.8	:1
Output VSWR		1.5	1.8	:1
Impedance	50			Ohms

Envrionmental And Physical Characteristics:

Description	Parameter	Units
Operating Temerature	-45 To +80	°C
Storage Temperature	-45 To +80	°C
Connectors	SMA Female	

Outline Drawing:

Unit:mm;

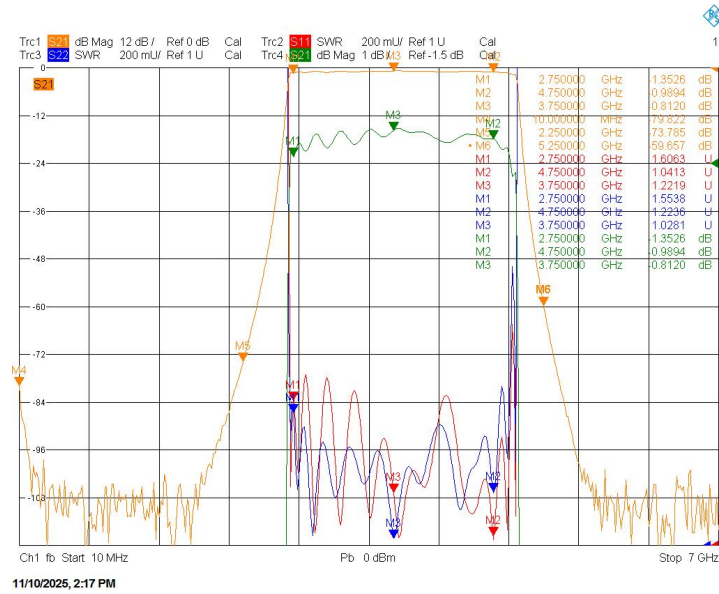


ESD Protection: Strictly adhere to ESD precautions to prevent electrostatic damage.

Ordering Information:

Base Number	Description	Revision
TLBF-2G75-4G75-S	Coaxial Band-pass Filter, Passband frequency range: 2.75 to 4.75GHz , 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.