

Coaxial Band-pass Filter

27.5-31GHz/ 2.92 Female

Model: TLBF-27G5-31G-A

TLBF-27G5-31G-A is a coaxial band-pass filter with a passband frequency from 27.5 to 31GHz and a rejection frequencies DC-26GHz and 32.5GHz. The nominal insertion loss of the filter is 1.5 dB and the typical rejection is 50 dB.

Features:

- Passband Frequency Range 27.5 to 31GHz
- Low Insertion Loss
- High Rejection
- Steep Rejection Skirts

Applications:

- Instrumentations
- Radar Systems
- System Integrations

Electrical Characteristics:

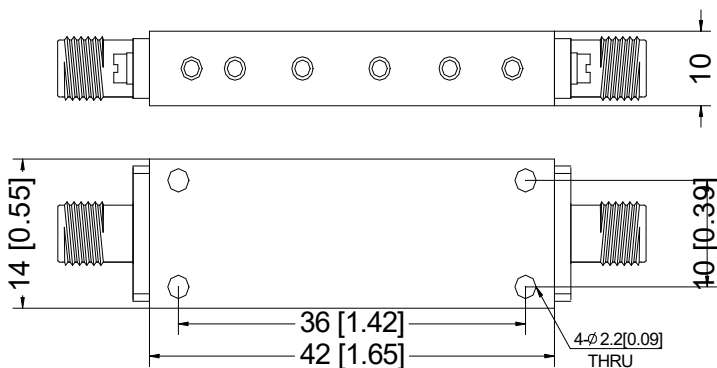
Parameter	Min	Typ	Max	Units
Passband Frequency range	27.5		31	GHz
Passband Insertion Loss			1.5	dB
Pass Band Ripple			1.0	dB
Rejection	≥50dB@DC-26GHz&32.5GHz			dB
Power Handling			20	W
Input VSWR			1.6	:1
Output VSWR			1.6	:1
Impedance	50			Ohms

Envrionmental And Physical Characteristics:

Description	Parameter	Units
Operating Temerature	-40 To +70	°C
Storage Temerature	-40 to +70	°C
Connectors	2.92 Female	

Outline Drawing:

Unit:mm;

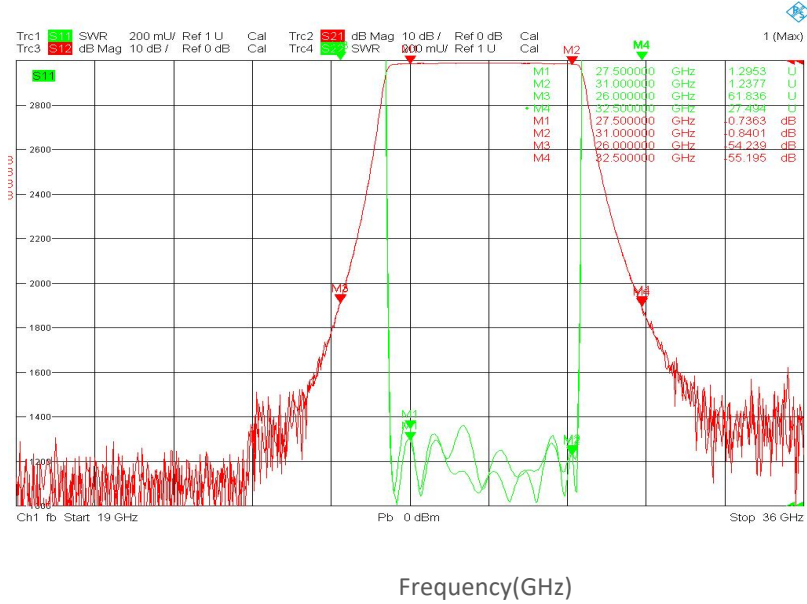


ESD Protection: Strictly adhere to ESD precautions to prevent electrostatic damage.

Ordering Information:

Base Number	Description	Revision
TLBF-27G5-31G-A	Coaxial Band-pass Filter, Passband frequency range: 27.5 to 31GHz, Passband Insertion Loss: 1.5dB, 2.92 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.