

Coaxial Band-pass Filter

3-4GHz/ SMA Female

Model: TLBF-3G5-1G-E

TLBF-3G5-1G-E is a coaxial band-pass filter with a passband frequency from 3 to 4 GHz and a rejection frequencies at 3.4GHz and 4.6GHz. The nominal insertion loss of the filter is 1.2 dB and the typical rejection is 40 dB.

Features:

- Passband Frequency Range: 3 to 4 GHz
- Low Insertion Loss
- High Rejection
- Steep Rejection Skirts

Applications:

- Instrumentations
- Radar Systems
- System Integrations

Electrical Characteristics:

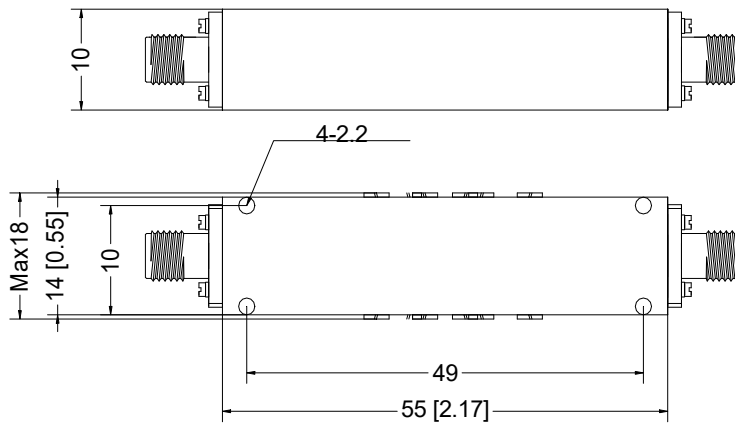
Parameter	Min	Typ	Max	Units
Passband Frequency range	3	3.5	4	GHz
Passband Insertion Loss			1.2	dB
Pass Band Ripple	1.0			dB
Rejection	>40dB@fc±600MHz			dB
Power Handling			15	W
Input VSWR			1.5	:1
Output VSWR			1.5	:1
Impedance	50			Ohms

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-3G5-1G-E	Coaxial Band-pass Filter, Passband frequency range: 3 to 4GHz, Passband Insertion Loss: 1.2dB, SMA Female	Rev.1.0