

Coaxial Band-pass Filter

2.85-3.15 GHz/SMA Female

Model: TLBF-3G-5-E

TLBF-3G-5-E is a coaxial band-pass filter with a passband frequency from 2.85 to 3.15 GHz and a rejection frequencies from DC-2.1 GHz and 4.2 GHz. The maximum fo insertion loss of the filter is 1.0 dB and the typical rejection is 40 dB.

Features:

- Passband Frequency Range 2.85 to 3.15 GHz
- Low Insertion Loss
- High Rejection
- Steep Rejection Skirts
- Field Replaceable RF Connectors

Applications:

- Instrumentations
- Radar Systems
- System Integrations

Electrical Characteristics:

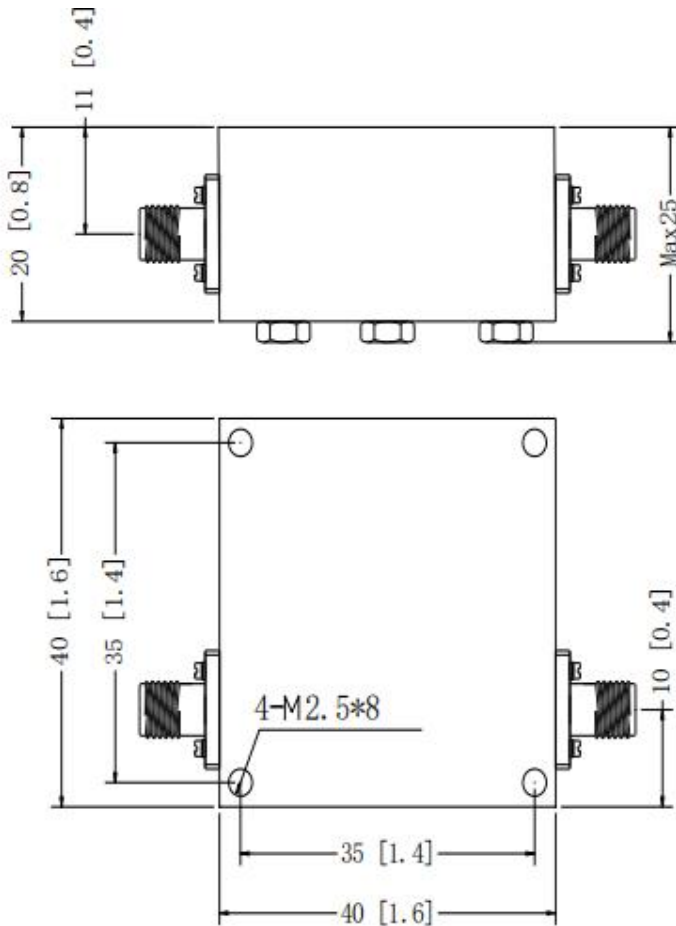
Parameter	Min	Typ	Max	Units
Passband Frequency range	2.85		3.15	GHz
Band Width			0.3	GHz
Insertion Loss(fo)			1.0	dB
Pass Band Ripple			0.8	dB
Rejection	>40dB@DC-2100MHz 4200MHz			
Power Handling			10	W
VSWR			1.6	:1
Impedance	50			Ohms

Envrionmental And Physical Characteristics:

Description	Parameter	Units
Operating 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-3G-5-E	Coaxial Band-pass Filter, Passband frequency range: 2.85-3.15GHz, fo Insertion Loss: 1.0dB, SMA Female	Rev.1.0