

Coaxial Band-pass Filter

5.05-6.05 GHz/SMA Female

Model: TLBF-5G55-1G-E2

TLBF-5G55-1G-E2 is a coaxial band-pass filter with a passband frequency from 5.05 to 6.05 GHz and a rejection frequencies from 4345 MHz to 4505 MHz. The maximum insertion loss of the filter is 1.5 dB and the typical rejection is 90 dB.

Features:

- Passband Frequency Range 5.05 to 6.05 GHz
- Low Insertion Loss
- High Rejection
- Steep Rejection Skirts
- Field Replaceable RF Connectors

Applications:

- Instrumentations
- Radar Systems
- System Integrations

Electrical Characteristics:

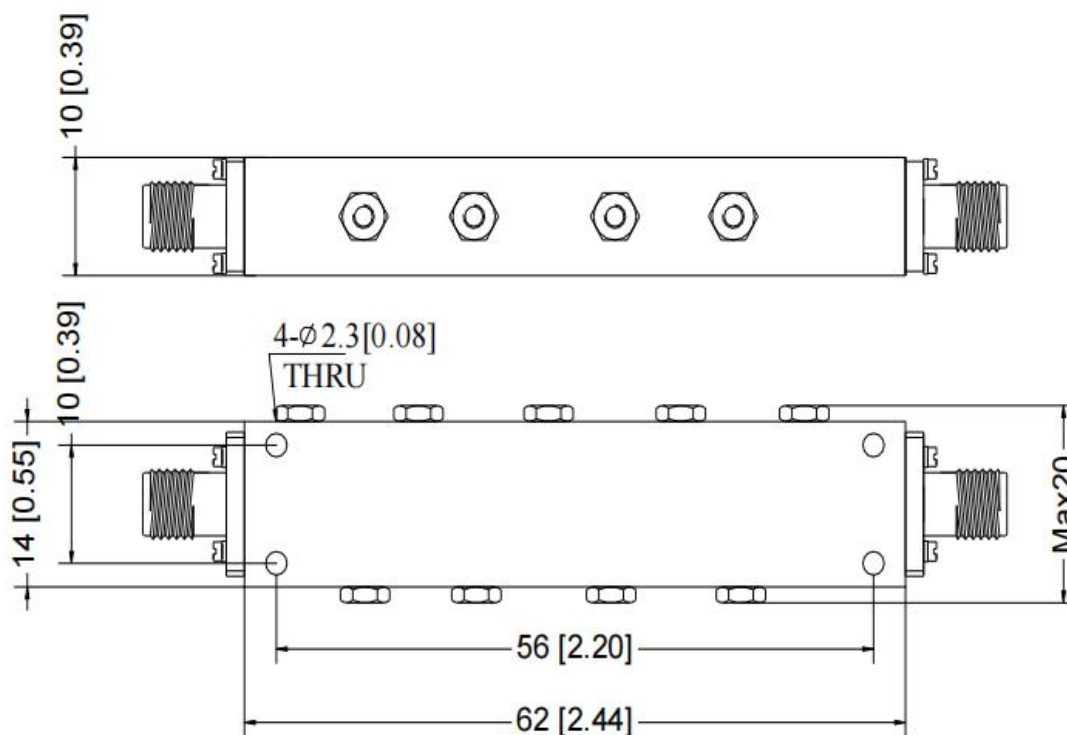
Parameter	Min	Typ	Max	Units
Passband Frequency range	5.05		6.05	GHz
Band Width			1	GHz
Passband Insertion Loss			1.5	dB
Pass Band Ripple	1.2			dB
Rejection	≥30dB@4800MHz ≥30dB@6285MHz ≥30dB@7885MHz ≥40db@7027.5Mhz ≥30dB@7372.5MHz ≥30dB@8115MHz ≥30dB@6515MHz ≥20dB@4627.5MHz ≥20dB@7072.5MHz ≥105dB@4455MHz ≥90dB@4345-4505MHz ≥30dB@4972.5MHz			dB
Power Handling			15	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-5G55-1G-E2	Coaxial Band-pass Filter, Passband frequency range: 5.05-6.05GHz, Passband Insertion Loss: 1.5dB, SMA Female	Rev.1.0