

Coaxial Band-pass Filter

5.075-5.275 GHz/SMA Female

Model: TLBF-5G175-200M-E2

TLBF-5G175-200M-E2 is a coaxial band-pass filter with a passband frequency from 5.075 to 5.275 GHz and a rejection frequencies from 4.345 GHz to 4.505 GHz. The maximum insertion loss of the filter is 2.5 dB and the typical rejection is 90 dB.

Features:

- Passband Frequency Range 5.075 to 5.275 GHz
- High Rejection
- Steep Rejection Skirts
- Field Replaceable RF Connectors

Applications:

- Instrumentations
- Radar Systems
- System Integrations

Electrical Characteristics:

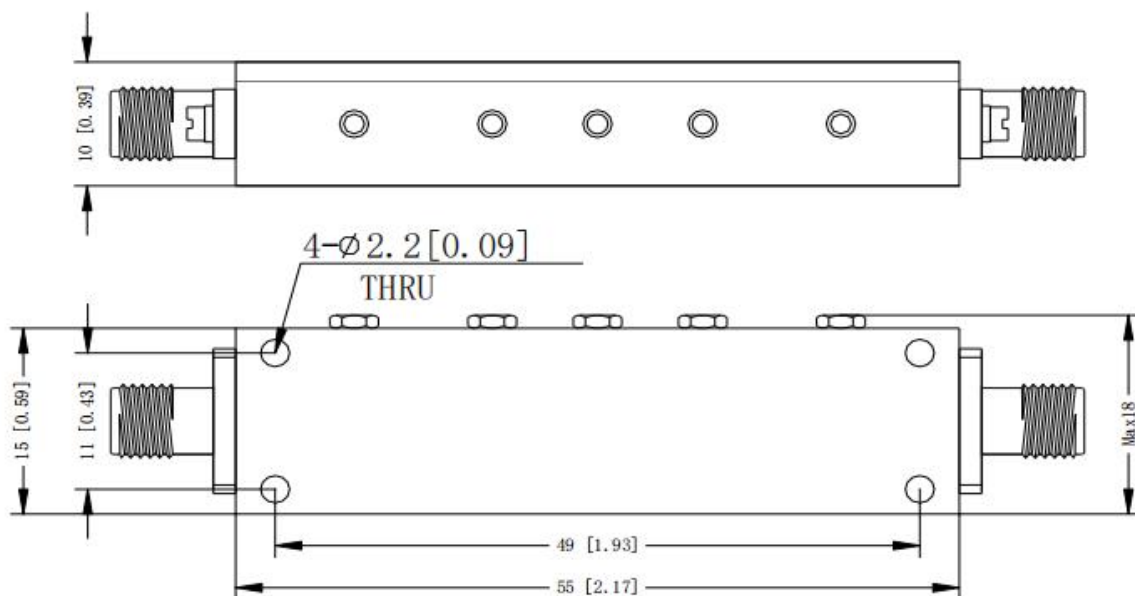
Parameter	Min	Typ	Max	Units
Passband Frequency range	5.075		5.275	GHz
Band Width			0.2	GHz
Passband Insertion Loss			2.5 ≤2.0dB(5095-5255MHz)	dB
Pass Band Ripple			≤0.6dB(5095-5255MHz)	dB
Rejection		>50dB@F0+-240Mhz ≥30dB@4800MHz ≥30dB@6285MHz ≥30dB@7885MHz ≥40dB@7025.5MHz ≥40dB@7372.5MHz ≥30dB@8115MHz ≥30dB@6515MHz ≥20dB@4627.5MHz ≥20dB@7072.5MHz ≥105dB@4455MHz ≥90dB@4345-4505MHz ≥30dB@4972.5MHz		
Power Handling			20	W
VSWR			1.5	:1
Impedance	50			Ohms

Envrionmental And Physical Characteristics:

Description	Parameter	Units
Operating 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-5G175-200M-E2	Coaxial Band-pass Filter, Passband frequency range: 5.075-5.275GHz, Insertion Loss: 2.0dB, SMA Female	Rev.1.0