

Coaxial Band-pass Filter

9.945-9.955 GHz/SMA Female

Model: TLBF-9G95-10M-E

TLBF-9G95-10M-E is a coaxial band-pass filter with a passband frequency from 9.945 to 9.955 GHz and a rejection frequencies from 9.85 GHz to 10.05GHz. The maximum fo insertion loss of the filter is 2.5dB and the typical rejection is 40 dB.

Features:

- Passband Frequency Range 9.945 to 9.955 GHz
- High Rejection
- Steep Rejection Skirts
- Field Replaceable RF Connectors

Applications:

- Instrumentations
- Radar Systems
- System Integrations

Electrical Characteristics:

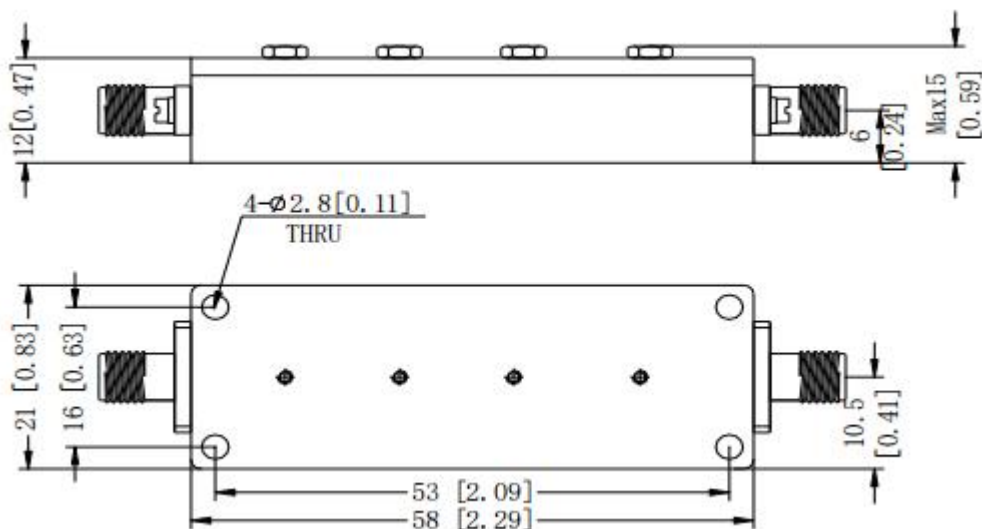
Parameter	Min	Typ	Max	Units
Passband Frequency range	9.945		9.955	GHz
Band Width			0.01	GHz
Insertion Loss(f _o)			2.5	dB
Pass Band Ripple			1.8	dB
Rejection	>40dB@f ₀ ±100MHz			
Power Handling			20	W
VSWR			1.5	:1
Impedance	50			Ohms

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-9G95-10M-E	Coaxial Band-pass Filter, Passband frequency range: 9.945-9.955GHz, Insertion Loss(f ₀): 2.5dB, SMA Female	Rev.1.0