

Coaxial Band-pass Filter

0.5-1.5 GHz/SMA Female

Model: TLBF-500M-1G5-X

TLBF-500M-1G5-X is a coaxial band-pass filter with a passband frequency from 0.5 to 1.5 GHz and a rejection frequencies from DC to 0.2 GHz and from 1.85 to 3 GHz. The maximum insertion loss of the filter is 1.5 dB and the minimum rejection is 50 dB.

Features:

- Passband Frequency Range 0.5 to 1.5 GHz
- Low Insertion Loss
- High Rejection
- Steep Rejection Skirts

Applications:

- Instrumentations
- Radar Systems
- System Integrations

Electrical Characteristics:

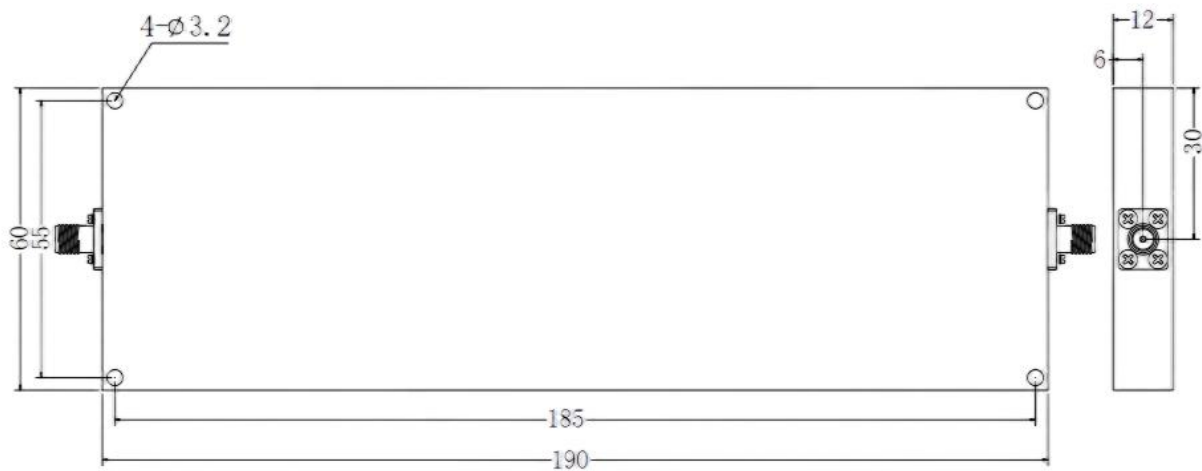
Parameter	Min	Typ	Max	Units
Passband Frequency range	0.5		1.5	GHz
Band Width			1000	MHz
Passband Insertion Loss			1.5	dB
Pass Band Ripple			1.4	dB
VSWR			2.0	:1
Rejection@DC-0.2GHz&1.85-3GHz	50			dB
Power Handling			15	W
Impedance	50			Ohms

Envrionmental And Physical Characteristics:

Description	Parameter	Units
Operating Temerature	-40 To +70	°C
Connectors	SMA Female	
Size	12*60*190	mm

Outline Drawing:

Unit:mm



ESD Protection: Strictly adhere to ESD precautions to prevent electrostatic damage.

Ordering Information:

Base Number	Description	Revision
TLBF-500M-1G5-X	Coaxial Band-pass Filter, Passband frequency range: 0.5-1.5GHz, Passband Insertion Loss: 1.5dB, SMA Female	Rev.1.0

