

Coaxial Band-pass Filter

Center Frequency 500 MHz/SMA Female

Model: TLBF-500M-100M-L

TLBF-500M-100M-L is a coaxial band-pass filter with a passband center frequency at 500 MHz and a rejection frequencies at $f_0 \pm 100$ MHz . The maximum insertion loss of the filter is 2.5 dB and the minimum rejection is 40 dB.

Features:

- Passband Center Frequency 500 MHz
- High Rejection
- Steep Rejection Skirts

Applications:

- Instrumentations
- Radar Systems
- System Integrations

Electrical Characteristics:

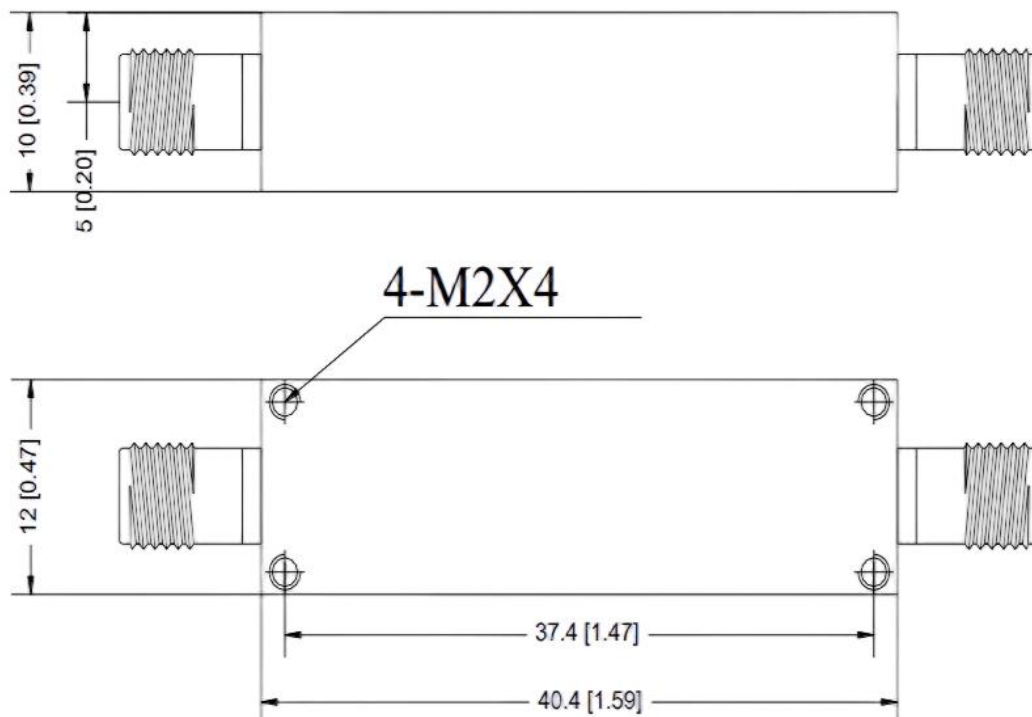
Parameter	Min	Typ	Max	Units
Passband Frequency range	450		550	MHz
Band Width			100	MHz
Insertion Loss(f_0)			2.5	dB
Pass Band Ripple			2.3	dB
VSWR			1.6	:1
Rejection@ $f_0 \pm 100$ MHz	40			dB
Power Handling			2	W
Impedance	50			Ohms

Envrionmental And Physical Characteristics:

Description	Parameter	Units
Operating Temerature	-40 To +70	°C
Connectors	SMA Female	
Size	10*12*40.4	mm

Outline Drawing:

Unit:mm



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

Ordering Information:

Base Number	Description	Revision
TLBF-500M-100M-L	Coaxial Band-pass Filter, Passband center frequency: 500MHz, Insertion Loss(f0):2.5dB, SMA Female	Rev.1.0