

Coaxial Band-pass Filter

542-550 MHz/SMA Female

Model: TLBF-546M-8M-L

TLBF-546M-8M-L is a coaxial band-pass filter with a passband frequency from 542 to 550 MHz and a rejection frequencies at $f_c \pm 60$ MHz. The maximum insertion loss of the filter is 4.0 dB and the minimum rejection is 40 dB.

Features:

- Passband Frequency Range 542 to 550 MHz
- High Rejection
- Steep Rejection Skirts

Applications:

- Instrumentations
- Radar Systems
- System Integrations

Electrical Characteristics:

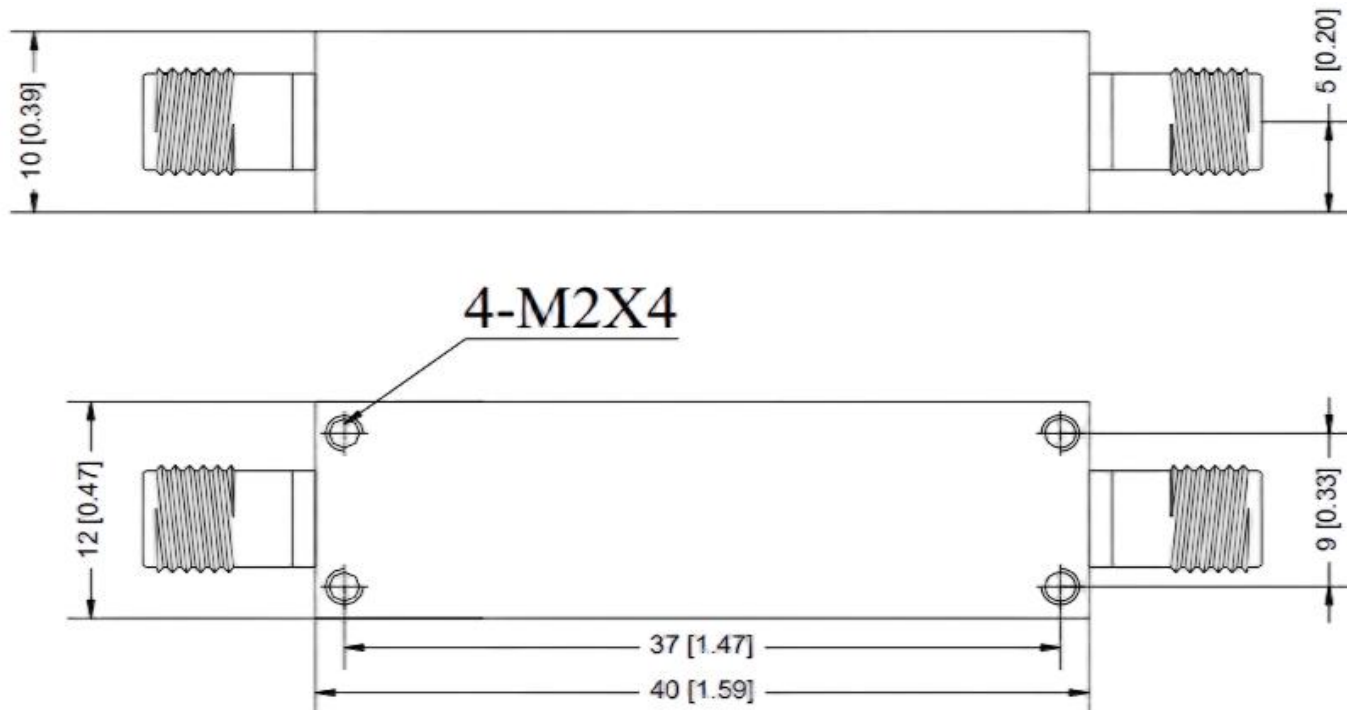
Parameter	Min	Typ	Max	Units
Passband Frequency range	542		550	MHz
Band Width			8	MHz
Passband Insertion Loss			4.0	dB
Pass Band Ripple			3.7	dB
VSWR			1.5	:1
Rejection@ $f_c \pm 60$ MHz	40			dB
Power Handling			5	W
Impedance	50			Ohms

Envrionmental And Physical Characteristics:

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

Outline Drawing:

Unit:mm



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

Ordering Information:

Base Number	Description	Revision
TLBF-546M-8M-L	Coaxial Band-pass Filter, Passband frequency range: 542-550MHz, Passband Insertion Loss: 4.0dB, SMA Female	Rev.1.0