

Coaxial Band-pass Filter

1.812-1.872 GHz/SMA Female

Model: TLBF-1G842-60M-E

TLBF-1G842-60M-E is a coaxial band-pass filter with a passband frequency from 1.812 to 1.872 GHz and a rejection frequencies at $f_0 \pm 120$ MHz. The maximum insertion loss of the filter is 1.0 dB and the minimum rejection is 45 dB.

Features:

- Passband Frequency Range 1.812 to 1.872 GHz
- Low Insertion Loss
- High Rejection
- Steep Rejection Skirts

Applications:

- Instrumentations
- Radar Systems
- System Integrations

Electrical Characteristics:

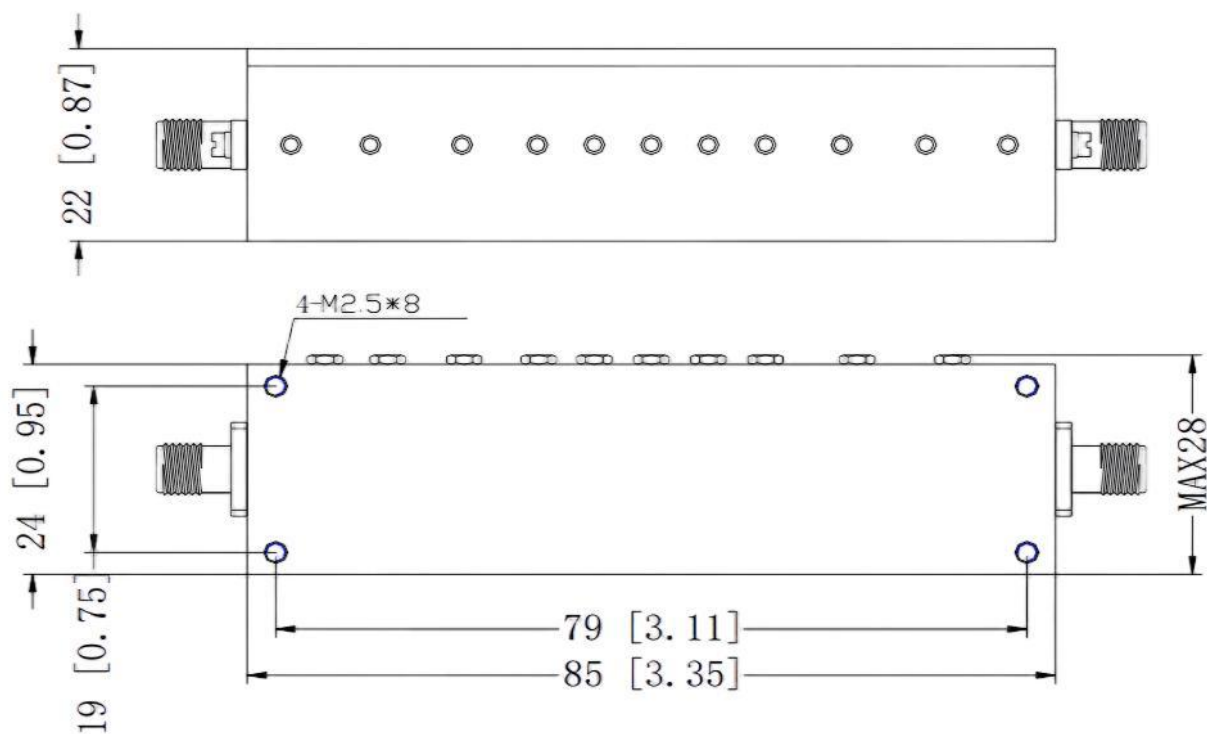
Parameter	Min	Typ	Max	Units
Passband Frequency range	1.812		1.872	GHz
Band Width			60	MHz
Passband Insertion Loss		0.8	1.0	dB
Pass Band Ripple			0.8	dB
VSWR			1.35	:1
Rejection@ $f_0 \pm 120$ MHz	45			dB
2nd&3rd Harmonics(50Hz scan)	90		110	dB
Power Handling			15	W
Impedance	50			Ohms

Envrionmental And Physical Characteristics:

Description	Parameter	Units
Operating Temerature	-40 To +70	°C
Connectors	SMA Female	
Size	22*24*85	mm

Outline Drawing:

Unit:mm



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

Ordering Information:

Base Number	Description	Revision
TLBF-1G842-60M-E	Coaxial Band-pass Filter, Passband frequency range: 1.812-1.872GHz, Passband Insertion Loss: 1.0dB, SMA Female	Rev.1.0