

Coaxial Band-pass Filter

Center Frequency 897.5 MHz/SMA Female

Model: TLBF-897M5-35M-E

TLBF-897M5-35M-E is a coaxial band-pass filter with a passband center frequency at 897.5 MHz and a rejection frequencies at $f_0 \pm 70$ MHz. The maximum insertion loss of the filter is 1.0 dB and the minimum rejection is 45 dB.

Features:

- Passband Center Frequency 897.5 MHz
- Low Insertion Loss
- High Rejection
- Steep Rejection Skirts

Applications:

- Instrumentations
- Radar Systems
- System Integrations

Electrical Characteristics:

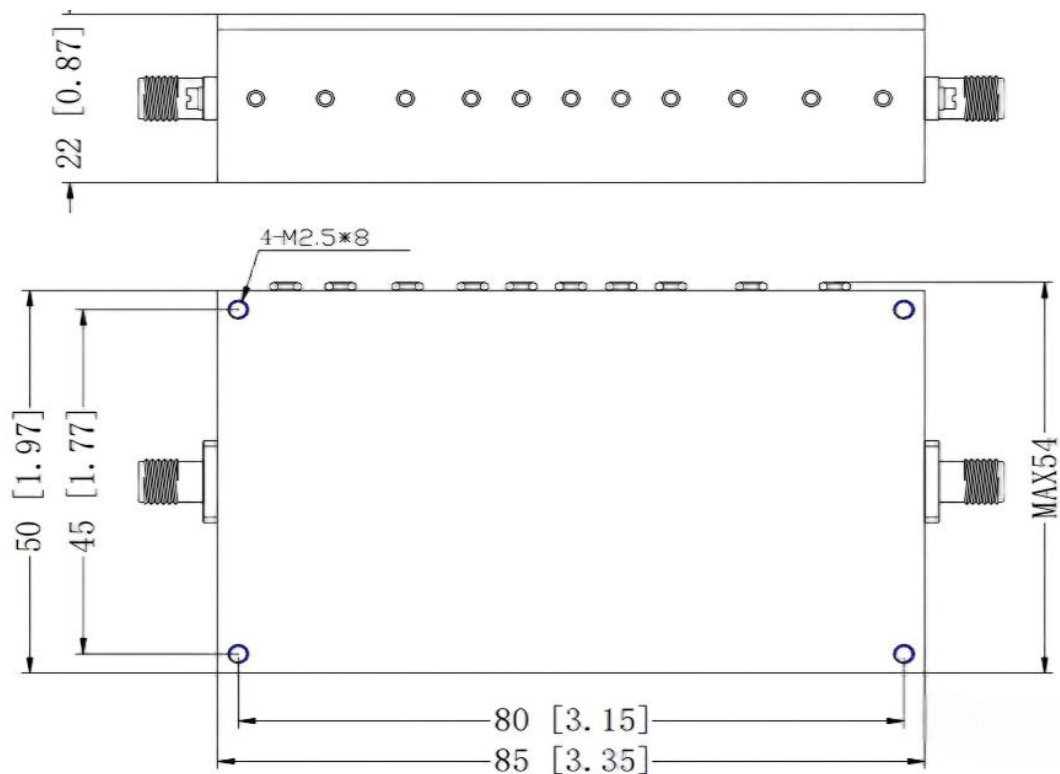
Parameter	Min	Typ	Max	Units
Passband Frequency range	880		915	MHz
Band Width			35	MHz
Passband Insertion Loss		0.8	1.0	dB
Pass Band Ripple			0.8	dB
VSWR			1.35	:1
Rejection@ $f_0 \pm 70$ MHz	45			dB
2nd&3rd Harmonics(50Hz scan)	90		110	dB
Power Handling			15	W
Impedance	50			Ohms

Envrionmental And Physical Characteristics:

Description	Parameter	Units
Operating Temerature	-40 To +70	°C
Connectors	SMA Female	
Size	22*50*85	mm

Outline Drawing:

Unit:mm

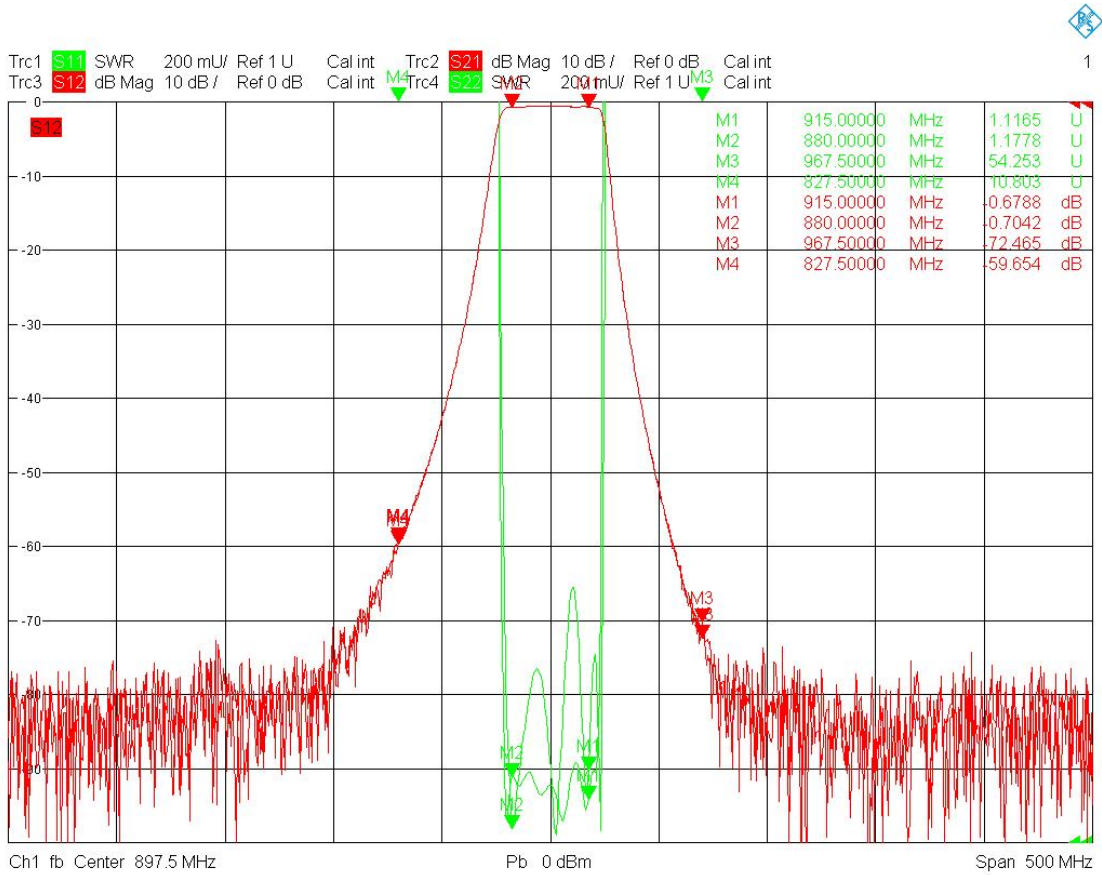


ESD Protection: Strictly adhere to ESD precautions to prevent electrostatic damage.

Ordering Information:

Base Number	Description	Revision
TLBF-897M5-35M-E	Coaxial Band-pass Filter, Passband center frequency: 897.5MHz, Passband Insertion Loss: 1.0dB, SMA Female	Rev.1.0

Typical Performance Data:



Note: Above data is for ref only, actual data may vary from unit to unit depending on operating environment and other factors like material lots etc.