

Coaxial Band-pass Filter

1.695-1.705 GHz/SMA Female

Model: TLBF-1G7-10M-E4

TLBF-1G7-10M-E4 is a coaxial band-pass filter with a passband frequency from 1.695 to 1.705 GHz and a rejection frequencies at $f_0 \pm 20$ MHz. The maximum insertion loss of the filter is 2.0 dB and the minimum rejection is 40 dB.

Features:

- Passband Frequency Range 1.695 to 1.705 GHz
- Low Insertion Loss
- High Rejection
- Steep Rejection Skirts

Applications:

- Instrumentations
- Radar Systems
- System Integrations

Electrical Characteristics:

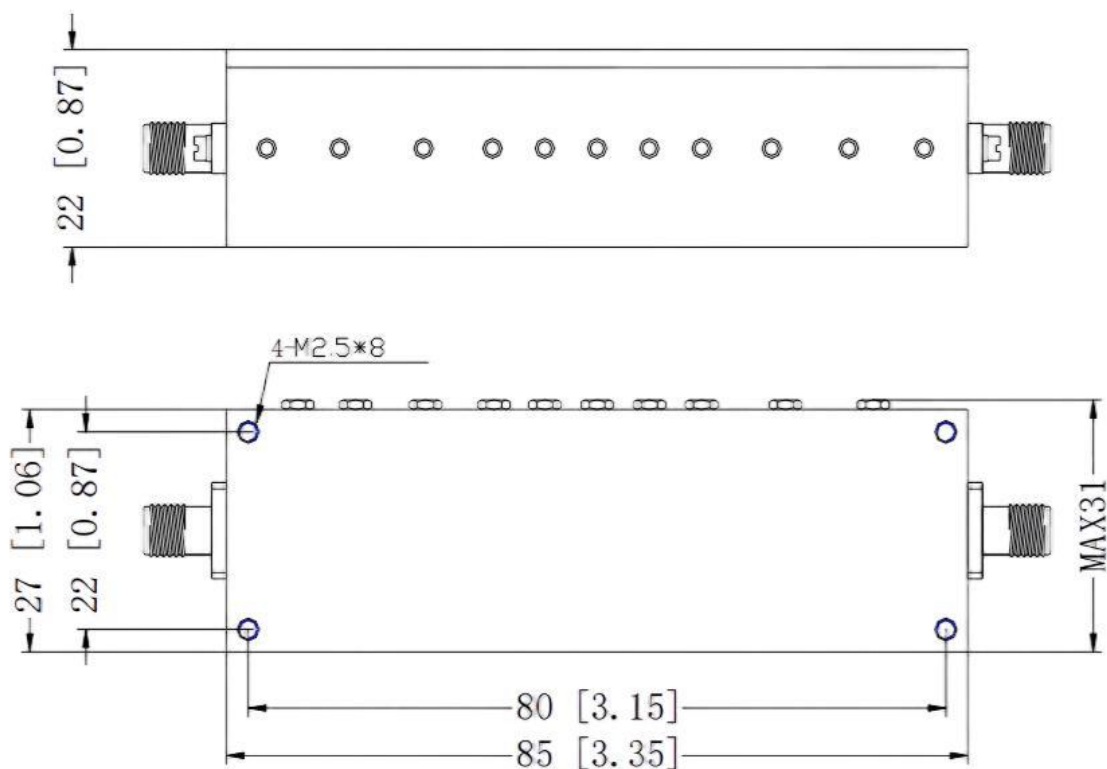
Parameter	Min	Typ	Max	Units
Passband Frequency range	1.695		1.705	GHz
Band Width			10	MHz
Passband Insertion Loss		1.8	2.0	dB
Pass Band Ripple			1.6	dB
VSWR			1.3	:1
Rejection@ $f_0 \pm 20$ MHz	40			dB
Power Handling			15	W
Impedance	50			Ohms

Envrionmental And Physical Characteristics:

Description	Parameter	Units
Operating Temerature	-40 To +70	°C
Connectors	SMA Female	
Size	22*27*85	mm

Outline Drawing:

Unit:mm



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

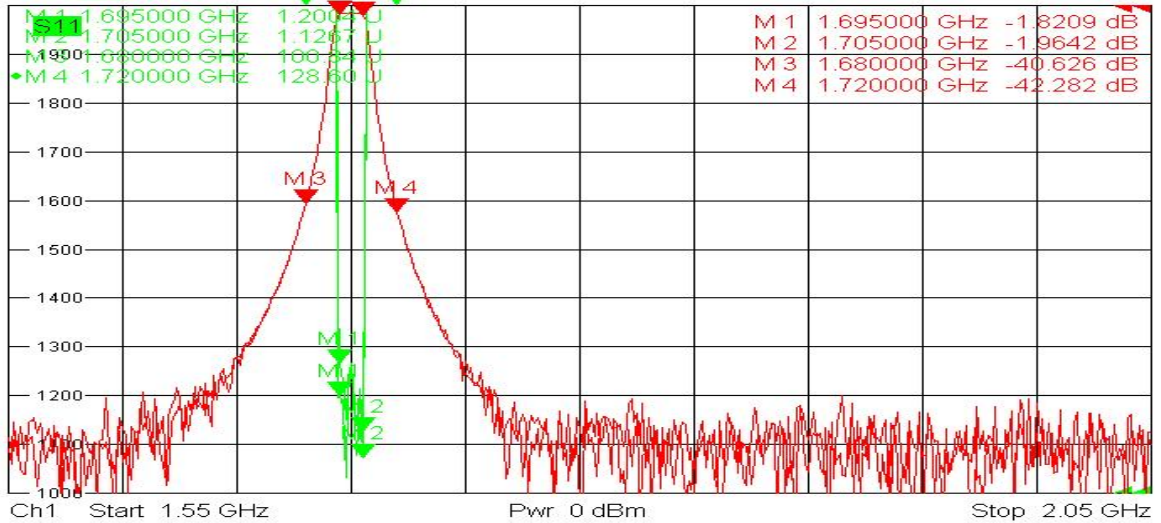
Ordering Information:

Base Number	Description	Revision
TLBF-1G7-10M-E4	Coaxial Band-pass Filter, Passband frequency range: 1.695-1.705GHz, Passband Insertion Loss: 2.0dB, SMA Female	Rev.1.0

Typical Performance Data:

Trc1 **S11** SWR 100 mU/ Ref 1 U Cal
Trc2 **S21** dB Mag 10 dB / Ref 0 dB Cal
Trc3 **S12** dB Mag 10 dB / Ref 0 dB Cal
Trc4 **S22** SWR 100 mU/ Ref 1 U Cal

1 of 1 (Max)



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.