

Coaxial Band-pass Filter

5.795-5.805GHz/SMA Female

Model: TLBF-5G8-10M-E

TLBF-5G8-10M-E is a coaxial band-pass filter with a passband frequency from 5.795 to 5.805 GHz and a rejection frequencies from 5.72 GHz to 5.88 GHz. The maximum fo insertion loss of the filter is 4.0 dB and the typical rejection is 40 dB.

Features:

- Passband Frequency Range 5.795 to 5.805 GHz
- High Rejection
- Steep Rejection Skirts
- Field Replaceable RF Connectors

Applications:

- Instrumentations
- Radar Systems
- System Integrations

Electrical Characteristics:

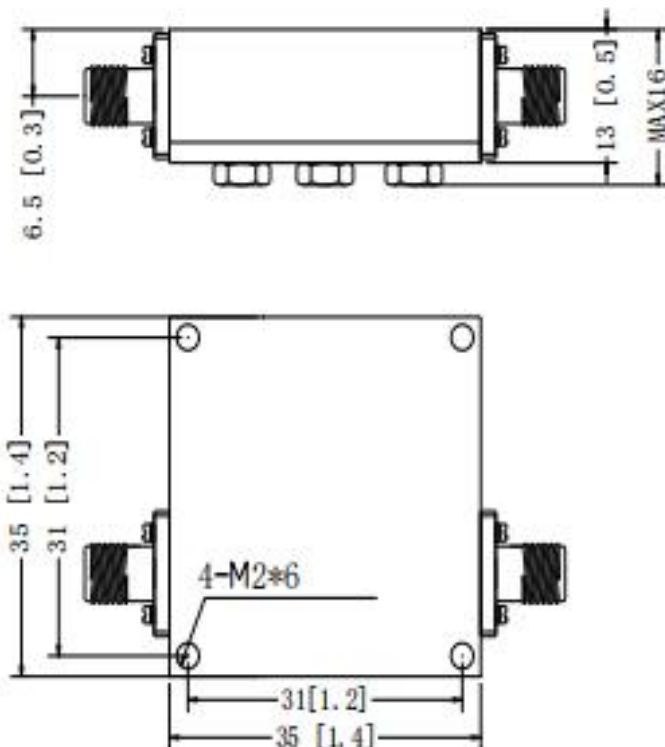
Parameter	Min	Typ	Max	Units
Passband Frequency range	5.795		5.805	GHz
Band Width			0.01	GHz
Insertion Loss(f ₀)			4.0	dB
Pass Band Ripple			3.8	dB
Rejection	>40dB@f ₀ ±80MHZ			
Power Handling			50	W
VSWR			1.6	:1
Impedance	50			Ohms

Envrionmental And Physical Characteristics:

Description	Parameter	Units
Operating Temerature	-40 To +70	°C
Connectors	SMA Female	

Outline Drawing:

Unit:mm

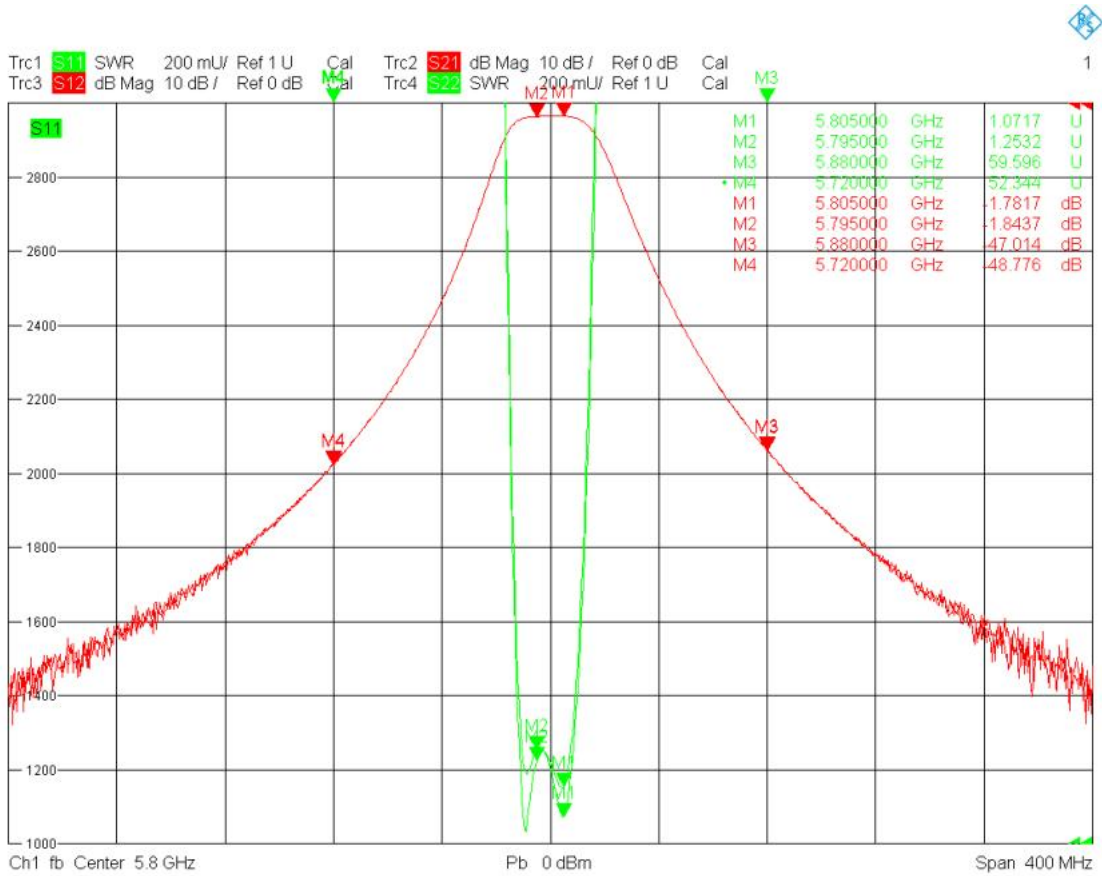


ESD Protection: Strictly adhere to ESD precautions to prevent electrostatic damage.

Ordering Information:

Base Number	Description	Revision
TLBF-5G8-10M-E	Coaxial Band-pass Filter, Passband frequency range: 5.795-5.805GHz, fo Insertion Loss: 4.0dB, 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.