

Coaxial Band-pass Filter

5.05-6.05 GHz/SMA Female

Model: TLBF-5G55-1G-E

TLBF-5G55-1G-E is a coaxial band-pass filter with a passband frequency from 5.05 to 6.05 GHz and a rejection frequencies from 295 MHz to 4550 MHz. The maximum insertion loss of the filter is 1.5 dB and the typical rejection is 100 dB.

Features:

- Passband Frequency Range 5.05 to 6.05 GHz
- Low Insertion Loss
- High Rejection
- Steep Rejection Skirts
- Field Replaceable RF Connectors

Applications:

- Instrumentations
- Radar Systems
- System Integrations

Electrical Characteristics:

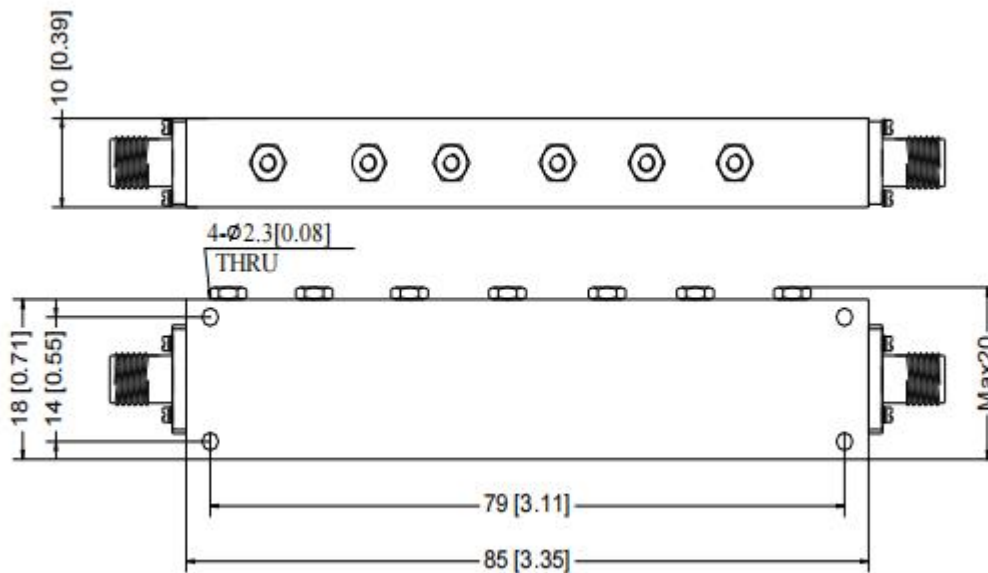
Parameter	Min	Typ	Max	Units
Passband Frequency range	5.05		6.05	GHz
Band Width			1	GHz
Passband Insertion Loss			1.5	dB
Pass Band Ripple	0.8			dB
Rejection	295-4550MHz≥100dBc 4650-4987.5MHz≥10dBc 6150-6525MHz≥15dBc 6525-7012.5MHz≥15dBc 7012.5-8125MHz≥30dBc 8850-10350MHz≥90dBc 13650-15150MHz≥20dBc			dB
Power Handling			15	W
VSWR			1.3	:1
Impedance	50			Ohms

Envrionmental And Physical Characteristics:

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

Outline Drawing:

Unit:mm

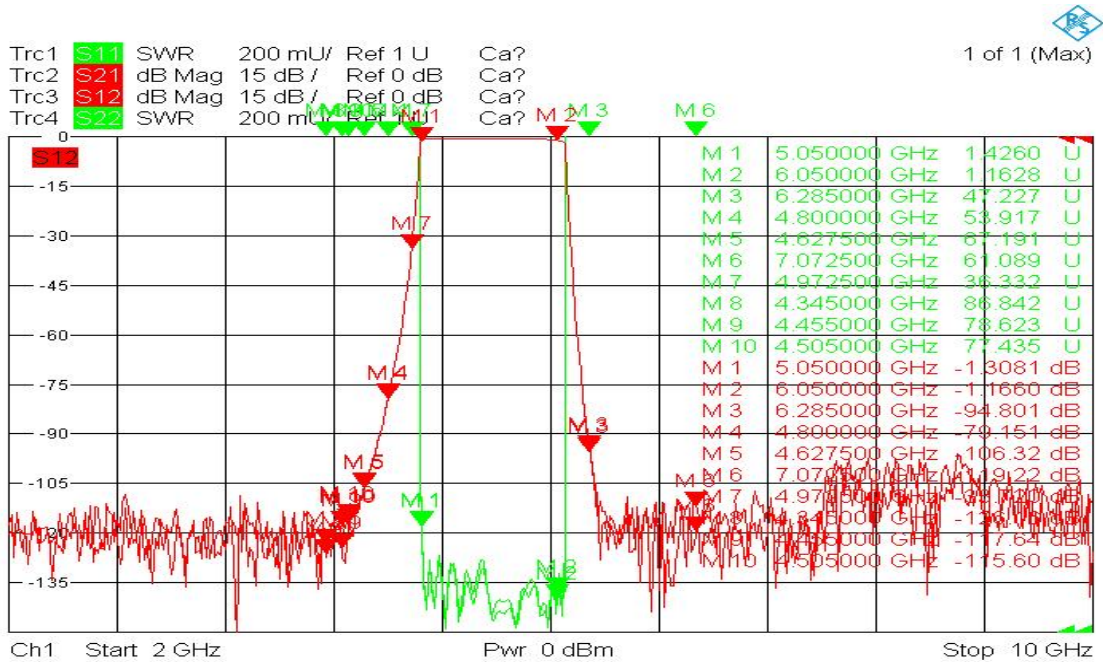


ESD Protection: Strictly adhere to ESD precautions to prevent electrostatic damage.

Ordering Information:

Base Number	Description	Revision
TLBF-5G55-1G-E	Coaxial Band-pass Filter, Passband frequency range: 5.05-6.05GHz, Passband Insertion Loss: 1.5dB, 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.