

Coaxial Bandpass Filter

6.2-6.8 GHz/SMA Female/SMA Male

Model: TLBF-6G5-600M-E-Cryo

TLBF-6G5-600M-E-Cryo is a coaxial bandpass filter with a passband frequency from 6.2 to 6.8 GHz . The nominal insertion loss of the filter is 1.2 dB and the typical rejection is 70 dB.

Features:

- Passband Frequency Range:6.2-6.8 GHz
- Low Insertion Loss
- High Rejection
- Steep Rejection Skirts
- Field Replaceable RF Connectors

Applications:

- Instrumentations
- Radar Systems
- System Integrations

Electrical Characteristics:

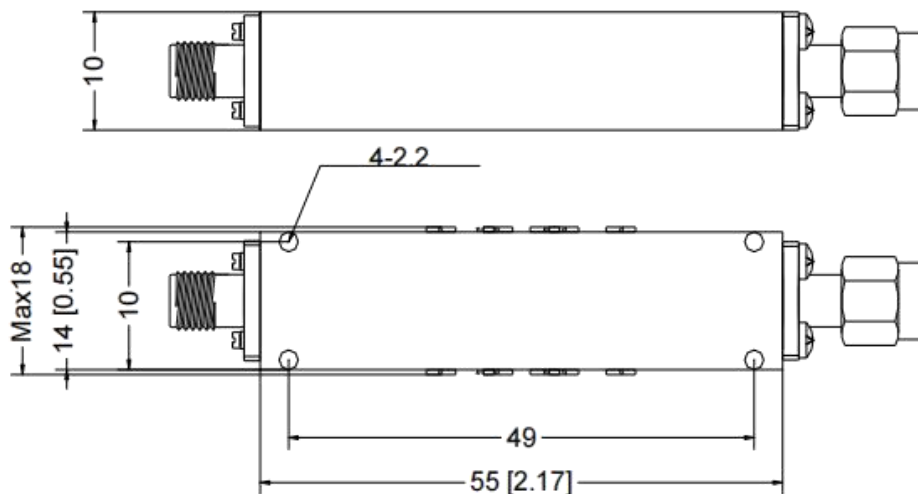
Parameter	Min	Typ	Max	Units
Passband Frequency range	6.2		6.8	GHz
Band Width			600	MHz
Passband Insertion Loss			1.2	dB
Pass Band Ripple	0.4			dB
Group Delay Flatness	1.3			NS
Rejection	>70dB@DC-5.5Ghz 7.3Ghz			dB
Power Handling			15	W
Input VSWR			1.3	:1
Impedance	50			Ohms

Envrionmental And Physical Characteristics:

Description	Parameter	Units
Connectors	SMA Female/SMA Male	
Size	55*18*10	mm

Outline Drawing:

Unit:mm



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

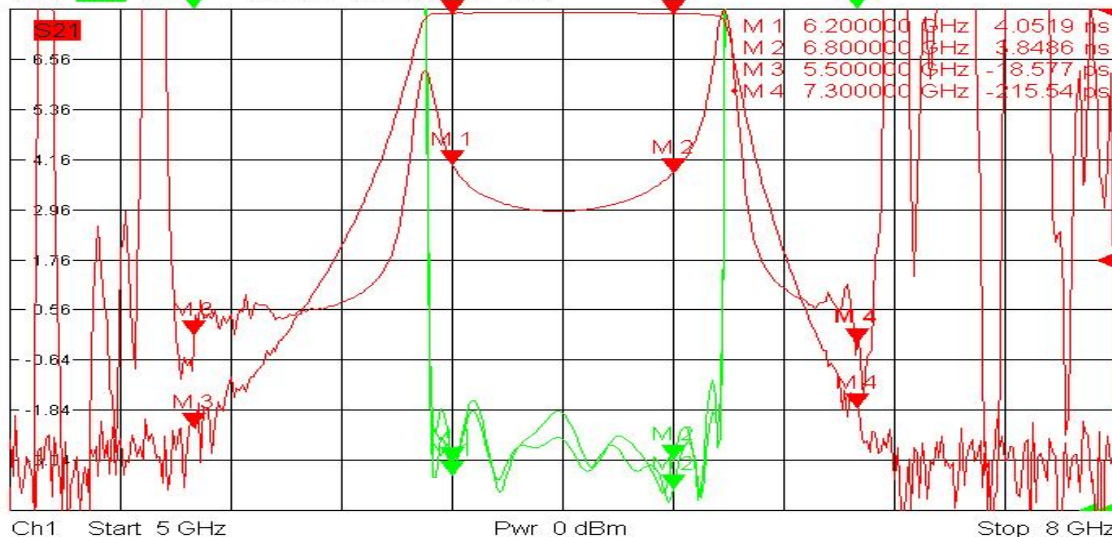
Ordering Information:

Base Number	Description	Revision
TLBF-6G5-600M-E-Cryo	Coaxial Bandpass Filter, Passband frequency range :6.2-6.8GHz, Passband Insertion Loss:1.2dB, SMA Female/SMA Male	Rev.1.0

Typical Performance Data:

Trc1 **S11** SWR 100 mU/ Ref 1 U Cal
Trc2 **S21** Delay 1.2 ns/ Ref 1.76 ns 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.