

Coaxial Band-pass Filter

4.45-4.95 GHz/SMA Female

Model: TLBF-4G7-500M-E

TLBF-4G7-500M-E is a coaxial band-pass filter with a passband frequency from 4.45 to 4.95 GHz and a rejection frequencies from DC-4.15 GHz and 5.25-6.0 GHz. The maximum insertion loss of the filter is 1.0 dB and the minimum rejection is 73 dB.

Features:

- Passband Frequency Range 4.45 to 4.95 GHz
- Low Insertion Loss
- High Rejection
- Steep Rejection Skirts
- Field Replaceable RF Connectors

Applications:

- Instrumentations
- Radar Systems
- System Integrations

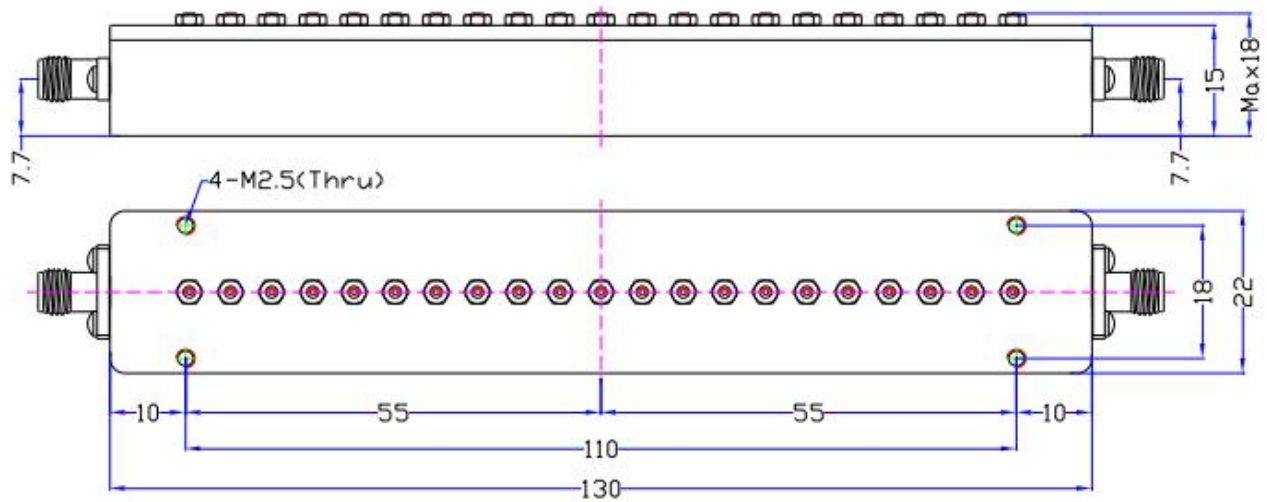
Electrical Characteristics:

Parameter	Min	Typ	Max	Units
Passband Frequency range	4.45		4.95	GHz
Band Width			0.5	GHz
Passband Insertion Loss			1.0	dB
Rejection	≥73dB @ DC ~ 4.15GHz ≥73dB @ 5.25 ~ 6.0GHz			
Power Handling			20	W
VSWR			1.5	:1
Impedance	50			Ohms

Environmental And Physical Characteristics:

Description	Parameter	Units
Operating Temperature	-30 To +70	°C
Connectors	SMA Female	
Surface Finish	Black Paint	

Outline Drawing: Unit:mm



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

Ordering Information:

Base Number	Description	Revision
TLBF-4G7-500M-E	Coaxial Band-pass Filter, Passband frequency range: 4.45-4.95GHz, Passband Insertion Loss: 1.0dB, SMA Female	Rev.1.0