

Coaxial Band-pass Filter

5-10GHz/ SMA Female

Model: TLBF-5G-10G-X2

TLBF-5G-10G-X2 is a coaxial band-pass filter with a passband frequency from 5 to 10 GHz and a rejection frequencies from 0 to 4.1GHz and 12 to 40GHz. The nominal insertion loss of the filter is 2.0dB and the typical rejection is 50 dB.

Features:

- Passband Frequency Range: 5 to 10GHz
- Low Insertion Loss
- High Rejection
- Steep Rejection Skirts

Applications:

- Instrumentations
- Radar Systems
- System Integrations

Electrical Characteristics:

Parameter	Min	Typ	Max	Units
Passband Frequency range	5		10	GHz
Passband Insertion Loss			2.0	dB
Pass Band Ripple			1.6	dB
Rejection	>50dB@dc-4.1Ghz 12-40Ghz			dB
Power Handling			15	W
Input VSWR			2.0	:1
Output VSWR			2.0	:1
Impedance	50			Ohms

Envrionmental And Physical Characteristics:

Description	Parameter	Units
Operating Temerature	-40 To +70	°C
Storage Temperature	-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-5G-10G-X2	Coaxial Band-pass Filter,Passband frequency range: 5 to 10GHz ,Passband Insertion Loss:2.0dB, SMA Female	Rev.1.0