

Coaxial Band-pass Filter

2.55-3.05GHz/ SMA Female

Model: TLBF-2G8-500M-E1

TLBF-2G8-500M-E1 is a coaxial band-pass filter with a passband frequency from 2.55 to 3.05GHz and a rejection frequencies from 0 to 1.6GHz and 4.54 to 5.54GHz. The nominal insertion loss of the filter is 0.8dB and the typical rejection is 50 dB.

Features:

- Passband Frequency Range 2.55 to 3.05GHz
- Low Insertion Loss
- High Rejection
- Steep Rejection Skirts

Applications:

- Instrumentations
- Radar Systems
- System Integrations

Electrical Characteristics:

Parameter	Min	Typ	Max	Units
Passband Frequency range	2.55		3.05	GHz
Passband Insertion Loss			0.8	dB
Pass Band Ripple			0.7	dB
Rejection	≥50dB@DC-1600MHz 4540-5540MHz			dB
Power Handling			15	W
Input VSWR			1.6	:1
Output VSWR			1.6	: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-2G8-500M-E1	Coaxial Band-pass Filter,Passband frequency range:2.55 to 3.05GHz ,Passband Insertion Loss:0.8dB, SMA Female	Rev.1.0