

Coaxial Band-pass Filter

8.5-9GHz/ SMA Female

Model: TLBF-8G5-9G-E

TLBF-8G5-9G-E is a coaxial band-pass filter with a passband frequency from 8.5 to 9 GHz and a rejection frequencies from 0 to 7.75 GHz and 9.75-16GHz. The nominal insertion loss of the filter is 1.0 dB and the typical rejection is 50 dB.

Features:

- Passband Frequency Range: 8.5 to 9 GHz
- Low Insertion Loss
- High Rejection
- Steep Rejection Skirts

Applications:

- Instrumentations
- Radar Systems
- System Integrations

Electrical Characteristics:

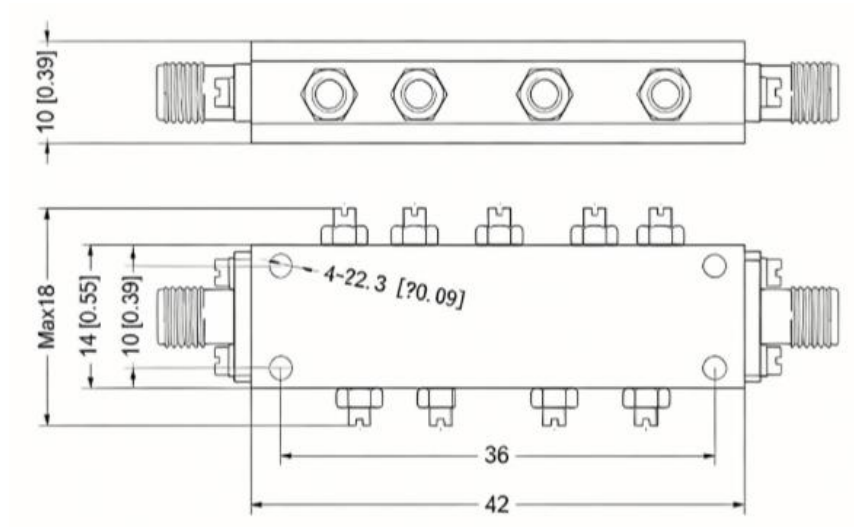
Parameter	Min	Typ	Max	Units
Passband Frequency range	8.5		9	GHz
Passband Insertion Loss			1.0	dB
Pass Band Ripple			0.8	dB
Rejection	>50dB@DC-7750MHz 9750-16000MHz			dB
Power Handling			15	W
Input VSWR			1.5	:1
Output VSWR			1.5	:1
Impedance	50			Ohms

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-8G5-9G-E	Coaxial Band-pass Filter, Passband frequency range: 8.5 to 9GHz, Passband Insertion Loss: 1.0dB, SMA Female	Rev.1.0