

Coaxial Bandpass Filter

31.45-34.25 GHz/2.92mm

Model: TLBF-31G45-34G25-K

TLBF-31G45-34G25-K is a coaxial bandpass filter with a passband frequency from 31.45 to 34.25 GHz and a center frequency is 32.85 GHz. The nominal insertion loss of the filter is 4.0 dB and the typical rejection is 40 dB.

Features:

- Passband Frequency Range 31.45 to 34.25 GHz
- Low Insertion Loss
- High Rejection
- Steep Rejection Skirts
- Field Replaceable RF Connectors

Applications:

- Instrumentations
- Radar Systems
- System Integrations

Electrical Characteristics:

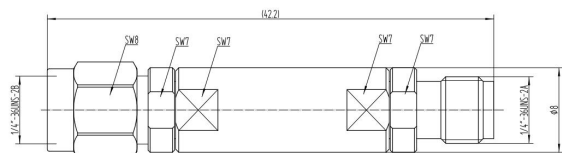
Parameter	Min	Typ	Max	Units
Passband Frequency range	31.45		34.25	GHz
Passband Insertion Loss		4.0		dB
Pass Band Ripple		±1.3		dB
Rejection	40@28.3GHz&35.4GHz			dB
Power Handling		1		W
Return Loss		14		dB
Impedance	50			Ohms

Envrionmental And Physical Characteristics:

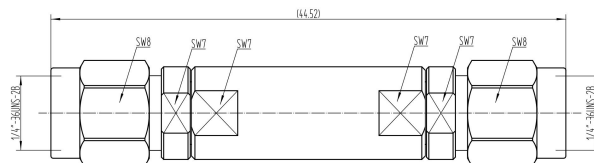
Description	Parameter	Units
Operating Temperature	-55 To +125	°C
Storage Temperature	-65 to +150	°C
Connectors	2.92mm	
Weight	/	g

Outline Drawing:

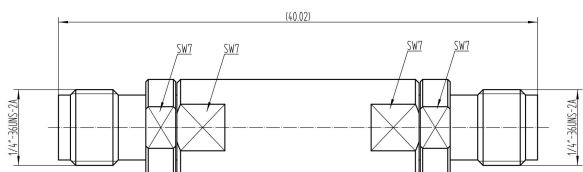
Unit:mm



TLBF-31G45-34G25-K



TLBF-31G45-34G25-MM



TLBF-31G45-34G25-FF



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

Ordering Information:

Base Number	Description	Revision
TLBF-31G45-34G25-K	Coaxial Bandpass Filter, Passband frequency range: 31.45-34.25GHz, Passband Insertion Loss: 4.0dB, 2.92mm Male/2.92mm Female Coaxial Fixed Termination	Rev.1.1
TLBF-31G45-34G25-MM	Coaxial Bandpass Filter, Passband frequency range: 31.45-34.25GHz, Passband Insertion Loss: 4.0dB, 2.92mm Male Coaxial Fixed Termination	Rev.1.1
TLBF-31G45-34G25-FF	Coaxial Bandpass Filter, Passband frequency range: 31.45-34.25GHz, Passband Insertion Loss: 4.0dB, 2.92mm Female Coaxial Fixed Termination	Rev.1.1