

Coaxial Bandpass Filter

29.85-30.15 GHz/2.92mm

Model: TLBF-29G85-30G15-K

TLBF-29G85-30G15-K is a coaxial bandpass filter with a passband frequency from 27.85 to 30.15 GHz and a center frequency is 29 GHz. The nominal insertion loss of the filter is 4.8 dB and the typical rejection is 40 dB.

Features:

- Passband Frequency Range 27.85 to 30.15 GHz
- Low Insertion Loss
- High Rejection
- Steep Rejection Skirts
- Field Replaceable RF Connectors

Applications:

- Instrumentations
- Radar Systems
- System Integrations

Electrical Characteristics:

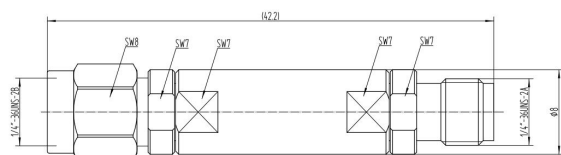
Parameter	Min	Typ	Max	Units
Passband Frequency range	27.85		30.15	GHz
Passband Insertion Loss		4.8		dB
Pass Band Ripple		±1.4		dB
Rejection	40@25.6GHz&31.1GHz			dB
Power Handling		1		W
Return Loss		14		dB
Impedance	50			Ohms

Envrionmental And Physical Characteristics:

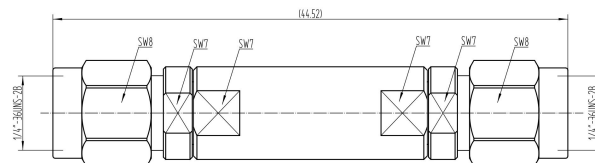
Description	Parameter	Units
Operating Temperature	-55 To +125	°C
Storage Temperature	-65 to +150	°C
Connectors	2.92mm	
Weight	/	g

Outline Drawing:

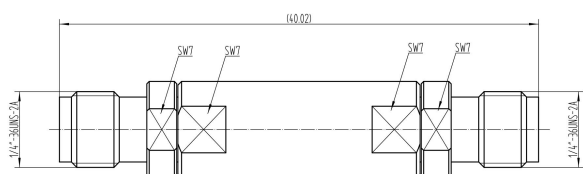
Unit:mm



TLBF-27G85-30G15-K



TLBF-27G85-30G15-MM



TLBF-27G85-30G15-FF



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

Ordering Information:

Base Number	Description	Revision
TLBF-27G85-30G15-K	Coaxial Bandpass Filter, Passband frequency range: 27.85-30.15GHz, Passband Insertion Loss: 4.8dB, 2.92mm Male/2.92mm Female Coaxial Fixed Termination	Rev.1.1
TLBF-27G85-30G15-MM	Coaxial Bandpass Filter, Passband frequency range: 27.85-30.15GHz, Passband Insertion Loss: 4.8dB, 2.92mm Male Coaxial Fixed Termination	Rev.1.1
TLBF-27G85-30G15-FF	Coaxial Bandpass Filter, Passband frequency range: 27.85-30.15GHz, Passband Insertion Loss: 4.8dB, 2.92mm Female Coaxial Fixed Termination	Rev.1.1