

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

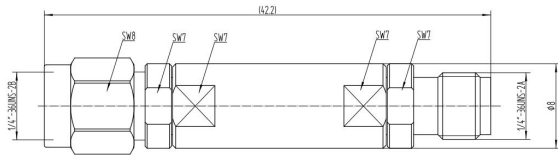
电气特性 Electrical Characteristics:

参数 Parameter	Min	Typ	Max	单位 Units
通带频率范围 Passband Frequency range	27.85		30.15	GHz
通带插损 Passband Insertion Loss		4.8		dB
带内波动 Pass Band Ripple		±1.4		dB
带外抑制 Rejection	40@25.6GHz&31.1GHz			dB
耐受功率 Power Handling		1		W
回波损耗 Return Loss		14		dB
阻抗 Impedance	50			Ohms

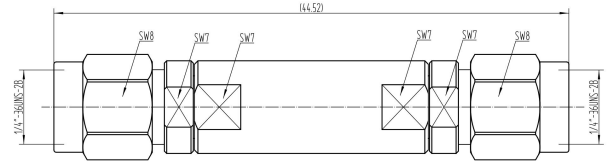
环境和机械特性 Envriionmental And Physical Characteristics:

类型 Description	参数 Parameter	单位 Units
操作温度 Operating Temperature	-55 To +125	°C
存储温度 Storage Temperature	-65 to +150	°C
接口 Connectors	2.92mm	
重量 Weight	/	g

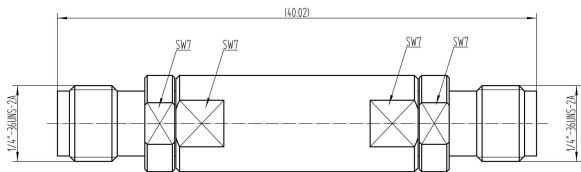
外形图 Outline Drawing: Unit:mm



TLBF-27G85-30G15-K



TLBF-27G85-30G15-MM



TLBF-27G85-30G15-FF



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

订货信息 Ordering Information:

标准型号 Base Number	描述 Description	版本号 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