

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

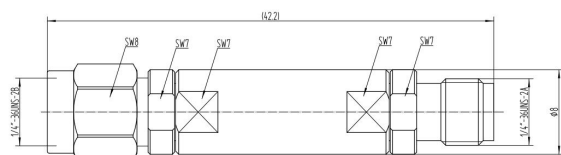
电气特性 Electrical Characteristics:

参数 Parameter	Min	Typ	Max	单位 Units
通带频率范围 Passband Frequency range	31.45		34.25	GHz
通带插损 Passband Insertion Loss		4.0		dB
带内波动 Pass Band Ripple		±1.3		dB
带外抑制 Rejection	40@28.3GHz&35.4GHz			dB
耐受功率 Power Handling		1		W
回波损耗 Return Loss		14		dB
阻抗 Impedance	50			Ohms

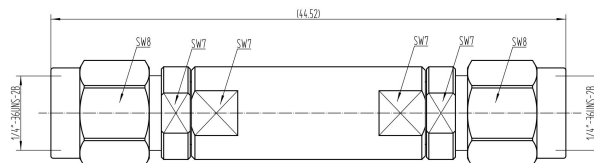
环境和机械特性 Envriionmental And Physical Characteristics:

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

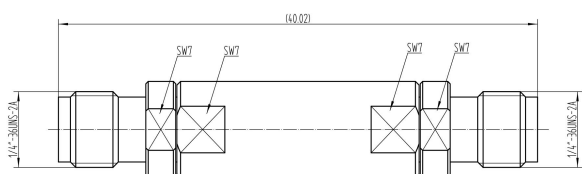
外形图 Outline Drawing: Unit:mm



TLBF-31G45-34G25-K



TLBF-31G45-34G25-MM



TLBF-31G45-34G25-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-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