

Coaxial Bandpass Filter

24.2-24.7 GHz/2.92mm

Model: TLBF-24G2-24G7-K

TLBF-24G2-24G7-K is a coaxial bandpass filter with a passband frequency from 24.2 to 24.7 GHz and a center frequency is 24.45 GHz. The nominal insertion loss of the filter is 8.6 dB and the typical rejection is 40 dB.

Features:

- Passband Frequency Range 24.2 to 24.7 GHz
- Low Insertion Loss
- High Rejection
- Steep Rejection Skirts
- Field Replaceable RF Connectors

Applications:

- Instrumentations
- Radar Systems
- System Integrations

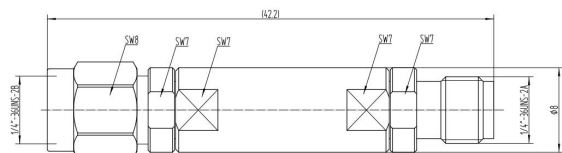
电气特性 Electrical Characteristics:

参数 Parameter	Min	Typ	Max	单位 Units
通带频率范围 Passband Frequency range	24.2		24.7	GHz
通带插损 Passband Insertion Loss		8.6		dB
带内波动 Pass Band Ripple		±1.4		dB
带外抑制 Rejection	40@23.1GHz&25.4GHz			dB
耐受功率 Power Handling		1		W
回波损耗 Return Loss		13		dB
阻抗 Impedance	50			Ohms

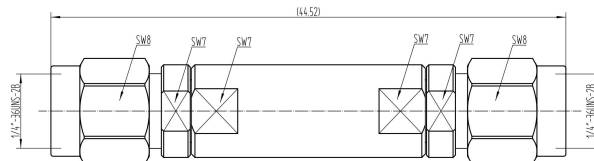
环境和机械特性 Envrionmental And Physical Characteristics:

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

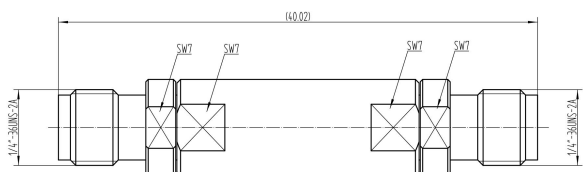
外形图 Outline Drawing: Unit:mm



TLBF-24G2-24G7-K



TLBF-24G2-24G7-MM



TLBF-24G2-24G7-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-24G2-24G7-K	Coaxial Bandpass Filter, Passband frequency range: 24.2-24.7GHz, Passband Insertion Loss: 8.6dB, 2.92mm Male/2.92mm Female Coaxial Fixed Termination	Rev.1.1
TLBF-24G2-24G7-MM	Coaxial Bandpass Filter, Passband frequency range: 24.2-24.7GHz, Passband Insertion Loss: 8.6dB, 2.92mm Male Coaxial Fixed Termination	Rev.1.1
TLBF-24G2-24G7-FF	Coaxial Bandpass Filter, Passband frequency range: 24.2-24.7GHz, Passband Insertion Loss: 8.6dB, 2.92mm Female Coaxial Fixed Termination	Rev.1.1