

## Coaxial Lowpass Filter

DC-12 GHz/2.92mm

Model: TLLF-DC-12G-K

TLLF-DC-12G-K is a coaxial lowpass filter with a passband frequency from DC to 12 GHz . The nominal insertion loss of the filter is 1.2 dB and the typical rejection is 40 dB.

### Features:

- Passband Frequency Range DC to 12 GHz
- Low Insertion Loss

### Applications:

- Instrumentations
- Test Labs
- Sub-assemblies

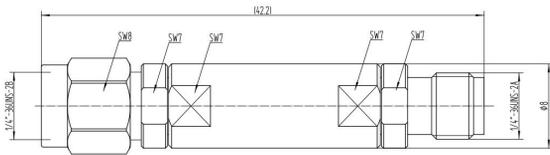
### 电气特性 Electrical Characteristics:

参数 Parameter	Min	Typ	Max	单位 Units
通带频率范围 Passband Frequency range	DC	12		GHz
通带插损 Passband Insertion Loss			1.2	dB
带外抑制 Rejection	20@16.2GHz,40@19.4GHz			dB
耐受功率 Power Handling			1	W
回波损耗 Return Loss		18		dB
阻抗 Impedance	50			Ohms

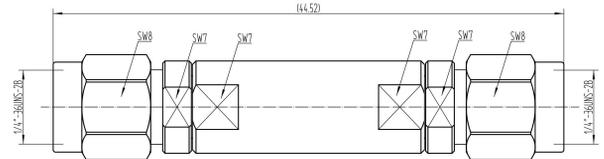
### 环境和机械特性 Environmental And Physical Characteristics:

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	

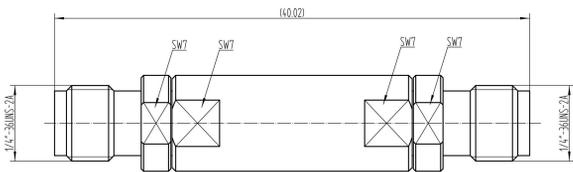
**外形图 Outline Drawing: Unit:mm**



TLLF-DC-12G-K



TLLF-DC-12G-MM



TLLF-DC-12G-FF



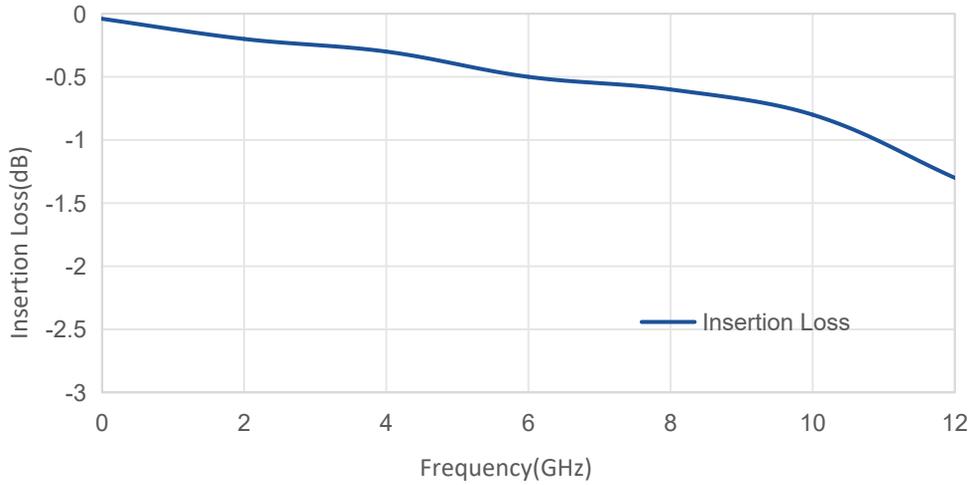
ESD Protection: Strictly adhere to ESD precautions to prevent electrostatic damage.

**订货信息 Ordering Information:**

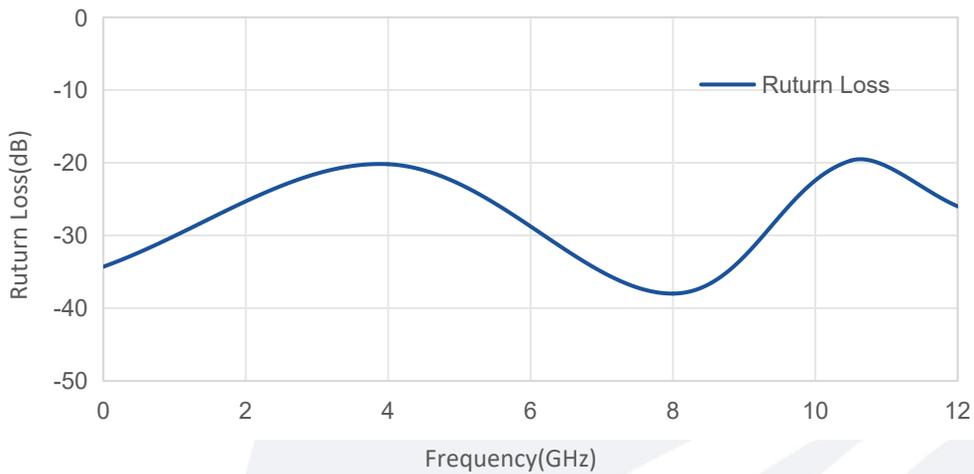
标准型号 Base Number	描述 Description	版本号 Revision
TLLF-DC-12G-K	Coaxial Lowpass Filter, Passband frequency range: DC-12GHz, Passband Insertion Loss: 1.2dB, 2.92mm Male/2.92mm Female Coaxial Fixed Termination	Rev.1.1
TLLF-DC-12G-MM	Coaxial Lowpass Filter, Passband frequency range: DC-12GHz, Passband Insertion Loss: 1.2dB, 2.92mm Male Coaxial Fixed Termination	Rev.1.1
TLLF-DC-12G-FF	Coaxial Lowpass Filter, Passband frequency range: DC-12GHz, Passband Insertion Loss: 1.2dB, 2.92mm Female Coaxial Fixed Termination	Rev.1.1

**典型曲线 Typical Performance Data:**

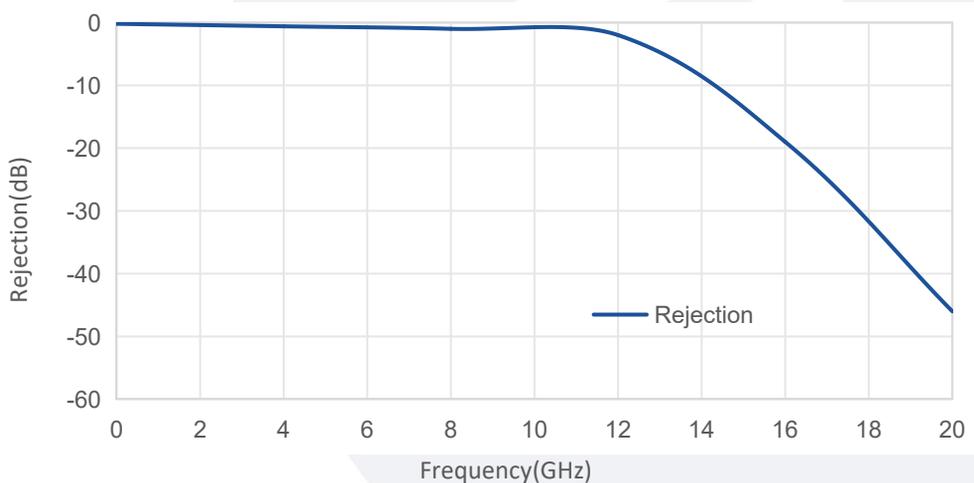
**Insertion Loss vs Frequency**



**Return Loss vs Frequency**



**Rejection vs Frequency**



Note: Above data is for ref only, actual data may vary from unit to unit depending on operating environment and other factors like material lots etc.