

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

Electrical Characteristics:

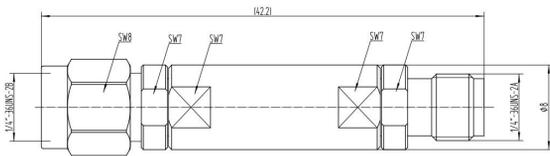
Parameter	Min	Typ	Max	Units
Passband Frequency range	DC	12		GHz
Passband Insertion Loss			1.2	dB
Rejection	20@16.2GHz,40@19.4GHz			dB
Power Handling			1	W
Return Loss		18		dB
Impedance	50			Ohms

Environmental And Physical Characteristics:

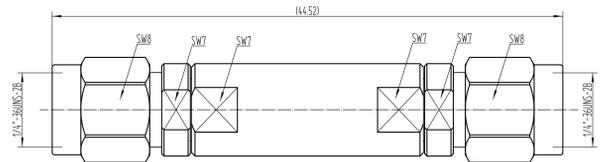
Description	Parameter	Units
Operating Temperature	-55 To +125	°C
Storage Temperature	-65 to +150	°C
Connectors	2.92mm	

Outline Drawing:

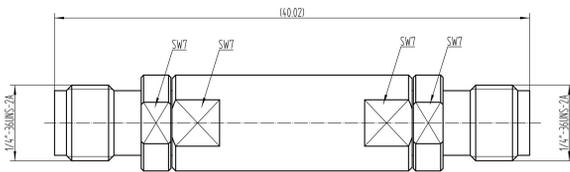
Unit:mm



TLLF-DC-12G-K



TLLF-DC-12G-MM



TLLF-DC-12G-FF



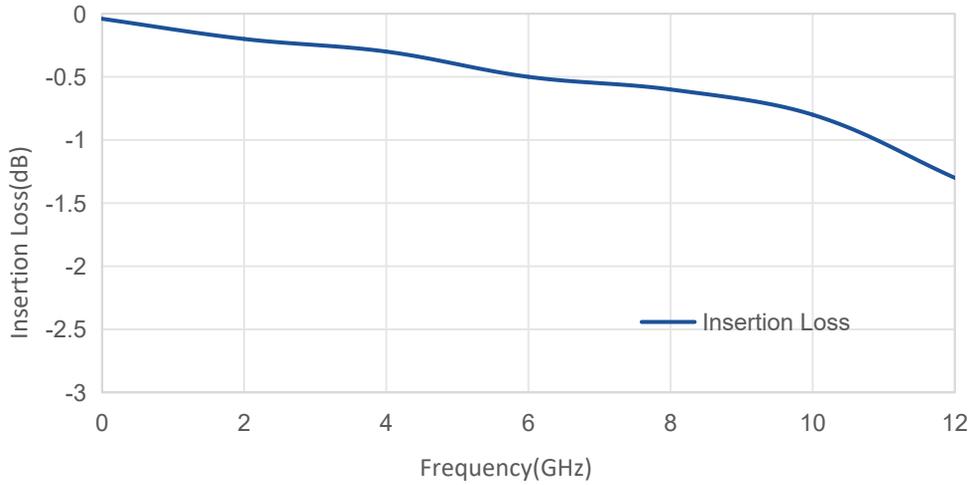
ESD Protection: Strictly adhere to ESD precautions to prevent electrostatic damage.

Ordering Information:

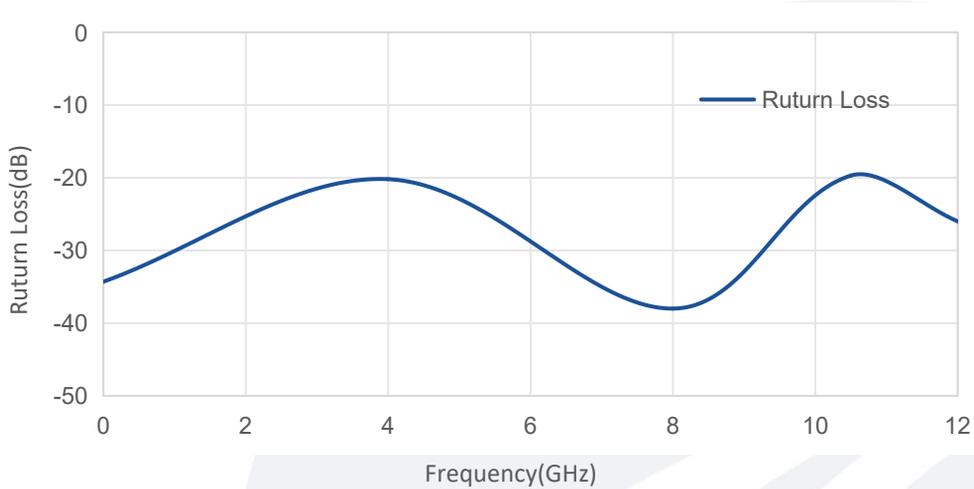
Base Number	Description	Revision
TLLF-DC-12G-K	Coaxial Lowpass Filter, Passband frequency range: DC-12GHz, Passband Insertion Loss: 1.2dB, 2.92mm Male/2.92mm Female Coaxial Fixed Termination	Rev.1.1
TLLF-DC-12G-MM	Coaxial Lowpass Filter, Passband frequency range: DC-12GHz, Passband Insertion Loss: 1.2dB,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

Typical Performance Data:

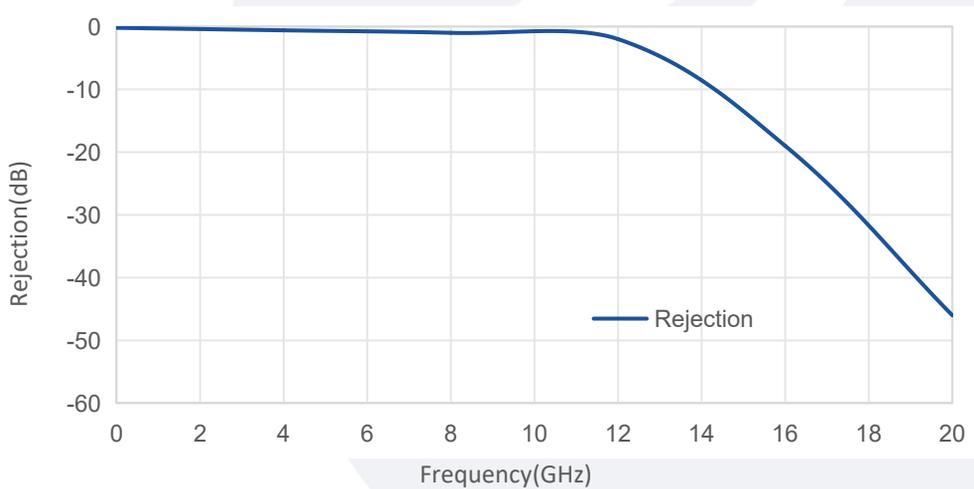
Insertion Loss vs Frequency



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.