

Coaxial Highpass Filter

2-18 GHz/2.92mm

Model: TLHF-2G18G-K

TLHF-2G18G-K is a coaxial highpass filter with a passband frequency from 2 to 18 GHz and a center frequency is 10 GHz. The nominal insertion loss of the filter is 2.0 dB and the typical rejection is 40 dB.

Features:

- Passband Frequency Range 2 to 18 GHz
- Low Insertion Loss

Applications:

- Instrumentations
- Test Labs
- Sub-assemblies

Electrical Characteristics:

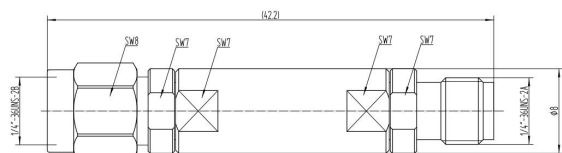
Parameter	Min	Typ	Max	Units
Passband Frequency range	2		18	GHz
Passband Insertion Loss			2.0	dB
Rejection	20@1.28GHz 40@1.15GHz			dB
Return Loss		15		dB
Power Handling			1	W
Impedance	50			Ohms

Envrionmental And Physical Characteristics:

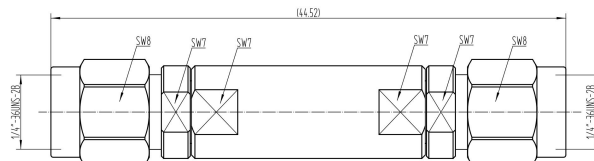
Description	Parameter	Units
Operating Temerature	-55 To +125	°C
Storage Temerature	-65 to +150	°C
Connectors	2.92mm	

Outline Drawing:

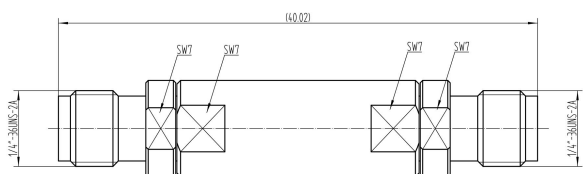
Unit:mm; Tolerance:±0.1mm



TLHF-2G18G-K



TLHF-2G18G-MM



TLHF-2G18G-FF



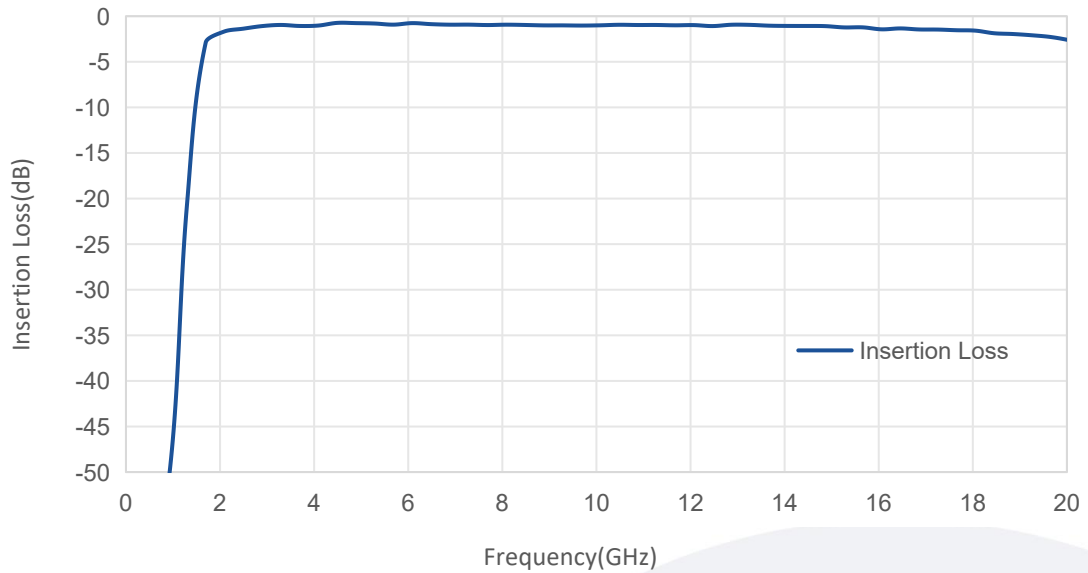
ESD Protection: Strictly adhere to ESD precautions to prevent electrostatic damage.

Ordering Information:

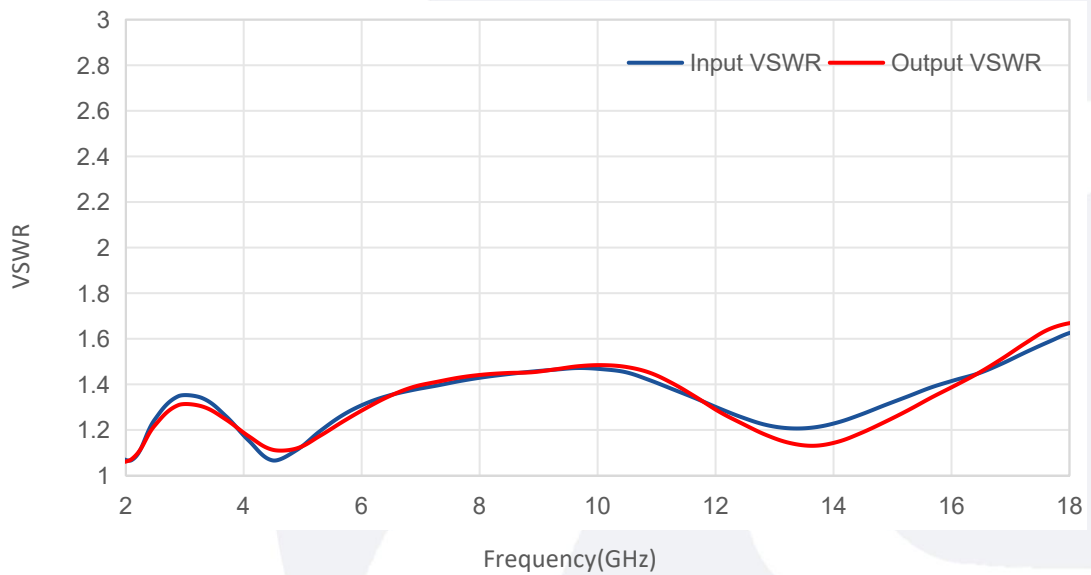
Base Number	Description	Revision
TLHF-2G18G-K	Coaxial Highpass Filter, Passband frequency range:2-18GHz, Passband Insertion Loss:2.0dB, 2.92mm Male/2.92mm Female Coaxial Fixed Termination.	Rev.1.1
TLHF-2G18G-MM	Coaxial Highpass Filter, Passband frequency range:2-18GHz, Passband Insertion Loss:2.0dB, 2.92mm Male Coaxial Fixed Termination.	Rev.1.1
TLHF-2G18G-FF	Coaxial Highpass Filter, Passband frequency range:2-18GHz, Passband Insertion Loss:2.0dB, 2.92mm Female Coaxial Fixed Termination.	Rev.1.1

Typical Performance Data:

Insertion Loss vs Frequency



VSWR 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.