

## Coaxial Lowpass Filter

DC-13 GHz/2.92mm

Model: TLLF-DC-13G-K

TLLF-DC-13G-K is a coaxial lowpass filter with a passband frequency from DC to 13 GHz . The nominal insertion loss of the filter is 1.4 dB and the typical rejection is 40 dB.

### Features:

- Passband Frequency Range DC to 13 GHz
- Low Insertion Loss

### Applications:

- Instrumentations
- Test Labs
- Sub-assemblies

### Electrical Characteristics:

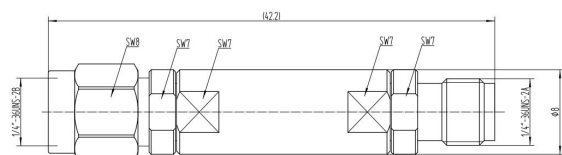
| Parameter                | Min                   | Typ | Max | Units |
|--------------------------|-----------------------|-----|-----|-------|
| Passband Frequency range | DC                    | 13  |     | KHz   |
| Passband Insertion Loss  |                       |     | 1.4 | dB    |
| Rejection                | 20@17.5GHz,40@20.7GHz |     |     | dB    |
| Power Handling           |                       |     | 1   | W     |
| Return Loss              |                       | 20  |     | dB    |
| Impedance                | 50                    |     |     | Ohms  |

### Envrionmental And Physical Characteristics:

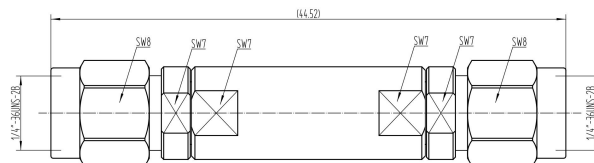
| Description           | Parameter   | Units |
|-----------------------|-------------|-------|
| Operating Temperature | -55 To +125 | °C    |
| Storage Temperature   | -65 to +150 | °C    |
| Connectors            | 2.92mm      |       |
| Weight                | /           | g     |

## Outline Drawing:

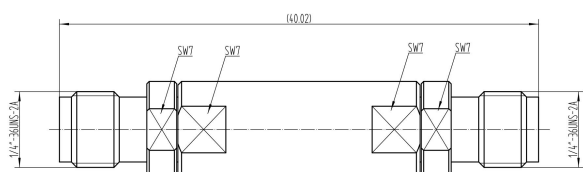
Unit:mm



TLLF-DC-13G-K



TLLF-DC-13G-MM



TLLF-DC-13G-FF



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

## Ordering Information:

| Base Number    | Description                                                                                                                                     | Revision |
|----------------|-------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| TLLF-DC-13G-K  | Coaxial Lowpass Filter, Passband frequency range: DC-13GHz, Passband Insertion Loss: 1.4dB, 2.92mm Male/2.92mm Female Coaxial Fixed Termination | Rev.1.1  |
| TLLF-DC-13G-MM | Coaxial Lowpass Filter, Passband frequency range: DC-13GHz, Passband Insertion Loss: 1.4dB, 2.92mm Male Coaxial Fixed Termination               | Rev.1.1  |
| TLLF-DC-13G-FF | Coaxial Lowpass Filter, Passband frequency range: DC-13GHz, Passband Insertion Loss: 1.4dB, 2.92mm Female Coaxial Fixed Termination             | Rev.1.1  |