

## Coaxial Lowpass Filter

DC-1 GHz/2.92mm

Model: TLLF-DC-1G-K

TLLF-DC-1G-K is a coaxial lowpass filter with a passband frequency from DC to 1 GHz . The nominal insertion loss of the filter is 1.5 dB and the typical rejection is 40 dB.

### Features:

- Passband Frequency Range DC to 1 GHz
- Low Insertion Loss

### Applications:

- Instrumentations
- Test Labs
- Sub-assemblies

### Electrical Characteristics:

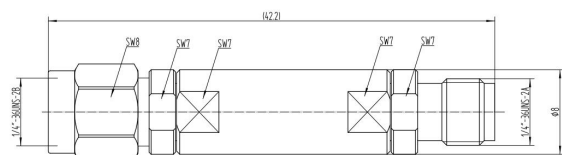
| Parameter                | Min               | Typ | Max | Units |
|--------------------------|-------------------|-----|-----|-------|
| Passband Frequency range | DC                | 1   |     | KHz   |
| Passband Insertion Loss  |                   |     | 1.5 | dB    |
| Rejection                | 20@1.6GHz,40@2GHz |     |     | dB    |
| Power Handling           |                   |     | 1   | W     |
| Return Loss              |                   | 20  |     | dB    |
| Impedance                | 50                |     |     | Ohms  |

### Envrionmental And Physical Characteristics:

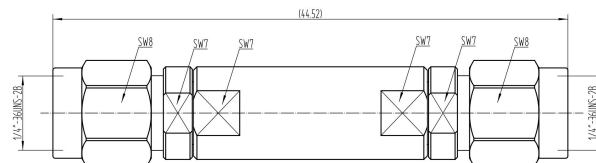
| Description           | Parameter   | Units |
|-----------------------|-------------|-------|
| Operating Temperature | -55 To +125 | °C    |
| Storage Temperature   | -65 to +150 | °C    |
| Connectors            | 2.92mm      |       |
| Weight                | /           | g     |

## Outline Drawing:

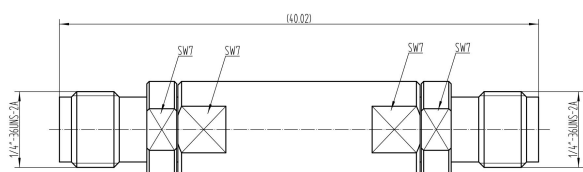
Unit:mm



TLLF-DC-1G-K



TLLF-DC-1G-MM



TLLF-DC-1G-FF



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

## Ordering Information:

| Base Number   | Description                                                                                                                                    | Revision |
|---------------|------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| TLLF-DC-1G-K  | Coaxial Lowpass Filter, Passband frequency range: DC-1GHz, Passband Insertion Loss: 1.5dB, 2.92mm Male/2.92mm Female Coaxial Fixed Termination | Rev.1.1  |
| TLLF-DC-1G-MM | Coaxial Lowpass Filter, Passband frequency range: DC-1GHz, Passband Insertion Loss: 1.5dB, 2.92mm Male Coaxial Fixed Termination               | Rev.1.1  |
| TLLF-DC-1G-FF | Coaxial Lowpass Filter, Passband frequency range: DC-1GHz, Passband Insertion Loss: 1.5dB, 2.92mm Female Coaxial Fixed Termination             | Rev.1.1  |