

## Coaxial Lowpass Filter

DC-1.5 GHz/2.92mm

Model: TLLF-DC-1G5-K

TLLF-DC-1G5-K is a coaxial lowpass filter with a passband frequency from DC to 1.5 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 1.5 GHz
- Low Insertion Loss

### Applications:

- Instrumentations
- Test Labs
- Sub-assemblies

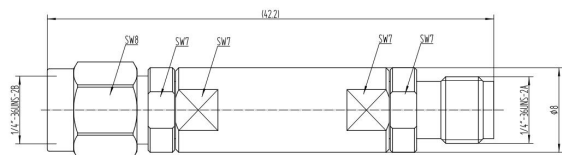
## 电气特性 Electrical Characteristics:

| 参数 Parameter                    | Min                 | Typ | Max | 单位 Units |
|---------------------------------|---------------------|-----|-----|----------|
| 通带频率范围 Passband Frequency range | DC                  | 1.5 |     | KHz      |
| 通带插损 Passband Insertion Loss    |                     |     | 1.4 | dB       |
| 带外抑制 Rejection                  | 20@2.3GHz,40@2.6GHz |     |     | dB       |
| 耐受功率 Power Handling             |                     |     | 1   | W        |
| 回波损耗 Return Loss                |                     | 18  |     | dB       |
| 阻抗 Impedance                    | 50                  |     |     | Ohms     |

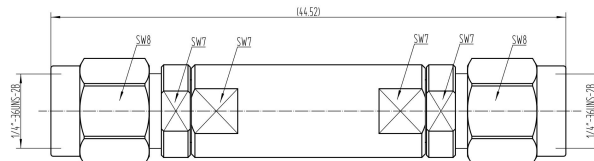
## 环境和机械特性 Envriionmental And Physical Characteristics:

| 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       |          |
| 重量 Weight                  | /            | g        |

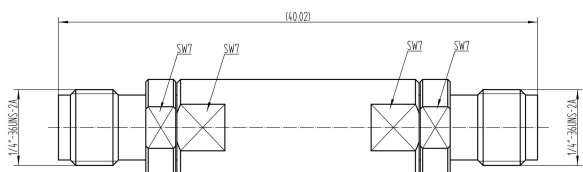
## 外形图 Outline Drawing: Unit:mm



TLLF-DC-1G5-K



TLLF-DC-1G5-MM



TLLF-DC-1G5-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 Desciption                                                                                                                                    | 版本号 Revision |
|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| TLLF-DC-1G5-K    | Coaxial Lowpass Filter, Passband frequency range: DC-1.5GHz, Passband Insertion Loss: 1.4dB, 2.92mm Male/2.92mm Female Coaxial Fixed Termination | Rev.1.1      |
| TLLF-DC-1G5-MM   | Coaxial Lowpass Filter, Passband frequency range: DC-1.5GHz, Passband Insertion Loss: 1.4dB, 2.92mm Male Coaxial Fixed Termination               | Rev.1.1      |
| TLLF-DC-1G5-FF   | Coaxial Lowpass Filter, Passband frequency range: DC-1.5GHz, Passband Insertion Loss: 1.4dB, 2.92mm Female Coaxial Fixed Termination             | Rev.1.1      |