

## Coaxial Lowpass Filter

DC-27 GHz/2.92mm

Model: TLLF-DC-27G-K

TLLF-DC-27G-K is a coaxial lowpass filter with a passband frequency from DC to 27 GHz . The nominal insertion loss of the filter is 1.7 dB and the typical rejection is 40 dB.

### Features:

- Passband Frequency Range DC to 27 GHz
- Low Insertion Loss

### Applications:

- Instrumentations
- Test Labs
- Sub-assemblies

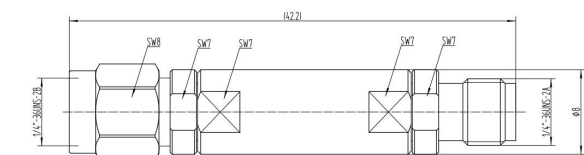
## 电气特性 Electrical Characteristics:

| 参数 Parameter                    | Min                   | Typ | Max | 单位 Units |
|---------------------------------|-----------------------|-----|-----|----------|
| 通带频率范围 Passband Frequency range | DC                    | 27  |     | GHz      |
| 通带插损 Passband Insertion Loss    |                       |     | 1.7 | dB       |
| 带外抑制 Rejection                  | 20@34.8GHz,30@37.6GHz |     |     | dB       |
| 耐受功率 Power Handling             |                       |     | 1   | W        |
| 回波损耗 Return Loss                |                       | 18  |     | dB       |
| 阻抗 Impedance                    | 50                    |     |     | Ohms     |

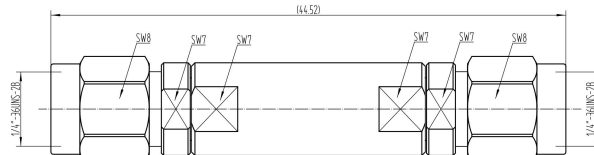
## 环境和机械特性 Envriomental And Physical Characteristics:

| 类型 Description             | 参数 Parameter | 单位 Units |
|----------------------------|--------------|----------|
| 操作温度 Operating Temperature | -55 To +125  | ℃        |
| 存储温度 Storage Temperature   | -65 to +150  | ℃        |
| 接口 Connectors              | 2.92mm       |          |

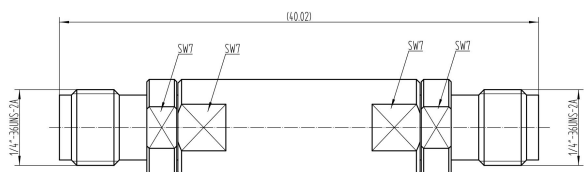
外形图 Outline Drawing: Unit:mm



TLLF-DC-27G-K



TLLF-DC-27G-MM



TLLF-DC-27G-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 Description                                                                                                                                  | 版本号 Revision |
|------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| TLLF-DC-27G-K    | Coaxial Lowpass Filter, Passband frequency range: DC-27GHz, Passband Insertion Loss: 1.7dB, 2.92mm Male/2.92mm Female Coaxial Fixed Termination | Rev.1.1      |
| TLLF-DC-27G-MM   | Coaxial Lowpass Filter, Passband frequency range: DC-27GHz, Passband Insertion Loss: 1.7dB, 2.92mm Male Coaxial Fixed Termination               | Rev.1.1      |
| TLLF-DC-27G-FF   | Coaxial Lowpass Filter, Passband frequency range: DC-27GHz, Passband Insertion Loss: 1.7dB, 2.92mm Female Coaxial Fixed Termination             | Rev.1.1      |