

## Coaxial Highpass Filter

### 20-40 GHz/2.92mm

Model: TLHF-20G40G-K

TLHF-20G40G-K is a coaxial highpass filter with a passband frequency from 20 to 40 GHz and a center frequency is 30 GHz. The nominal insertion loss of the filter is 2.0 dB and the typical rejection is 40 dB.

#### Features:

- Passband Frequency Range 20 to 40 GHz
- Low Insertion Loss

#### Applications:

- Instrumentations
- Test Labs
- Sub-assemblies

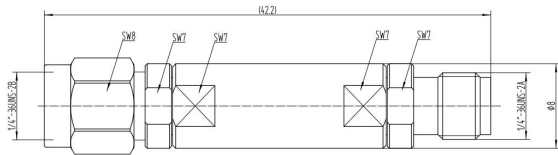
### 电气特性 Electrical Characteristics:

| 参数 Parameter                    | Min                    | Typ | Max | 单位 Units |
|---------------------------------|------------------------|-----|-----|----------|
| 带通频率范围 Passband Frequency range | 20                     |     | 40  | KHz      |
| 通带插损 Passband Insertion Loss    |                        |     | 2   | dB       |
| 带外抑制 Rejection                  | 20@16GHz<br>40@14.3GHz |     |     | dB       |
| 回波损耗 Return Loss                |                        | 15  |     | dB       |
| 耐受功率 Power Handling             |                        |     | 1   | W        |
| 阻抗 Impedance                    | 50                     |     |     | Ohms     |

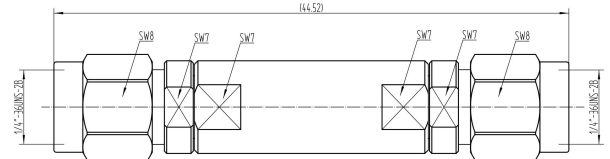
### 环境和机械特性 Envirionmental And Physical Characteristics:

| 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        |

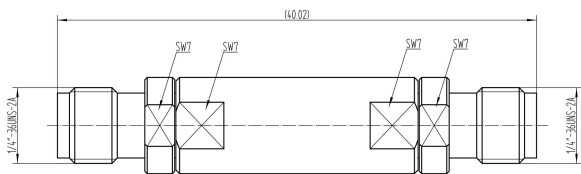
## 外形图 Outline Drawing: Unit:mm



TLHF-20G40G-K



TLHF-20G40G-MM



TLHF-20G40G-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 |
|------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| TLHF-20G40G-K    | Coaxial Highpass Filter, Passband frequency range: 20-40GHz, Passband Insertion Loss: 2.0dB, 2.92mm Male/2.92mm Female Coaxial Fixed Termination. | Rev.1.1      |
| TLHF-20G40G-MM   | Coaxial Highpass Filter, Passband frequency range: 20-40GHz, Passband Insertion Loss: 2.0dB, 2.92mm Male Coaxial Fixed Termination.               | Rev.1.1      |
| TLHF-20G40G-FF   | Coaxial Highpass Filter, Passband frequency range: 20-40GHz, Passband Insertion Loss: 2.0dB, 2.92mm Female Coaxial Fixed Termination.             | Rev.1.1      |