

## Cryogenic Coaxial Diplexer

### DC-8 GHz/SMA Female

**Model: TLDX-2G-8G-A**

The TLDX-2G-8G-A is a cryogenic coaxial diplexer with a typical Loss insertion of 1.8 dB . The cavity filter can handling power 2W. Accept customization according to different needs.

#### Features:

- Passband Frequency Range DC to 8GHz
- Low Insertion Loss

#### Applications:

- Instrumentations
- Test Labs
- Sub-assemblies

#### Electrical Characteristics:

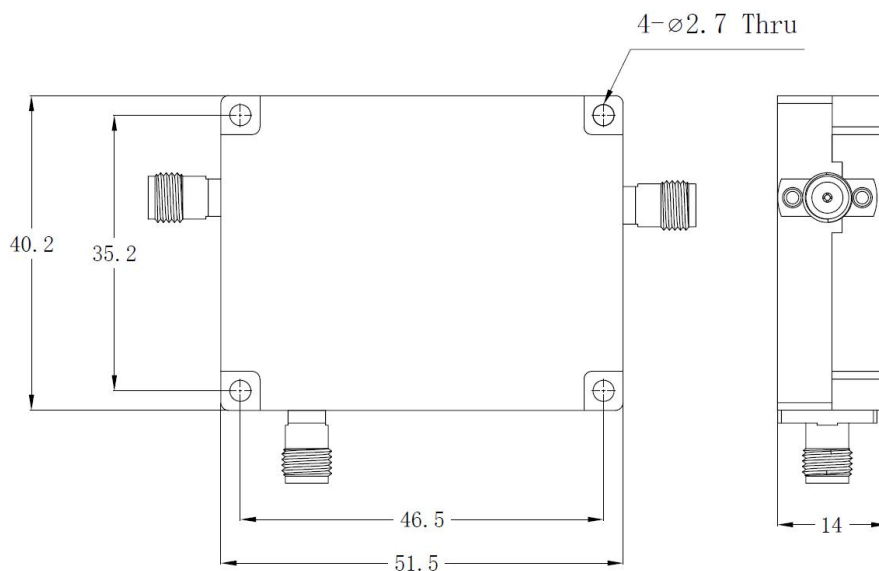
| Parameter        | RX             |   | TX            |   | 单位 Units |
|------------------|----------------|---|---------------|---|----------|
| Frequency range  | DC             | 2 | 3.5           | 8 | GHz      |
| Insertion Loss   | 1.8            |   | 1.8           |   | dB       |
| Pass Band Ripple | 1              |   | 1             |   | dB       |
| VSWR             | 2.0            |   | 2.0           |   | :1       |
| Rejection        | >23dB@3.5-8GHz |   | >44dB@DC-2GHz |   | dB       |
| Power Handling   |                |   |               | 2 | W        |
| Impedance        | 50             |   |               |   | Ohms     |

#### Envrionmental And Physical Characteristics:

| Description          | Parameter    | Units |
|----------------------|--------------|-------|
| Operating Temerature | -40 To +70   | °C    |
| Connectors           | SMA Female   |       |
| Size                 | 51.5*40.2*14 | mm    |

## Outline Drawing:

Unit:mm



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

## Ordering Information:

| Base Number  | Description                                                             | Revision |
|--------------|-------------------------------------------------------------------------|----------|
| TLDX-2G-8G-A | Cryogenic coaxial Diplexer<br>DC-8GHz, Insertion Loss:1.8dB, SMA Female | Rev.1.1  |

## 典型曲线 Typical Performance Data:

