

Model:TLLF-DC-8G-T2-Cryo

**Cryogenic Filters
DC-8 GHz,SMA Male to Female**

Feature:

- Low Insertion Loss
- Excellent Return Loss
- High Stop Band Suppression
- 50 Ohm Matched Input / Output

电气特性 Electrical:

| 参数Parameter | | Min. | Typ. | Max. | 单位Units |
|---------------------------------|-----------|------|------|------|---------|
| 频率范围 Frequency range | | DC-8 | | | GHz |
| 带内插损 Passband Insertion Loss | | | 0.5 | | dB |
| 带内回损 Passband Return loss | | | -20 | | dB |
| 带外抑制 Stopband Suppression | @11 GHz | | 30 | | dB |
| | @15-32GHz | -40 | -55 | | dB |
| 射频功率 RF Power (W) | | | | 1 | W |
| 阻抗 Impedance | | 50 | | | Ohms |

机械特性 Mechanical :

| 参数Parameter | 指标 Value | 单位Units |
|--------------------------------|---------------------|---------|
| 输入输出接口 Input /Output Connector | SMA Male/SMA Female | |
| 外壳材质 Case Material | OFHC Copper | |
| 表面 Finish | Gold Plated | mm |
| 重量 Weight | 30 | g |

外形尺寸 Outline Drawing:

Unit: mm



温度环境 Environmental Conditions:

| 参数Parameter | Min. | Typ. | Max. | 单位Units |
|------------------------------------|---|------|------|---------|
| 操作温度 Operating Temperature | 4K | | +85 | °C |
| 存储温度 Non-operating Temperature | -55 | | +125 | °C |
| 相对湿度 Relative humidity | 100% RH at 35c, 95%RH at 40°C | | | % |
| 海拔 Altitude | 50,000 | | | feet |
| 震动 Shock / Vibration(MIL-STD-810F) | 25g rms (15 degree 2KHz) endurance, 1 hour per axis | | | |
| 冲击 Shock(non operating) | 20G for 11msc half sin wave,3 axis both directions | | | |

订货信息 Ordering Information:

| 标准型号 Part Number | 描述 Description | 版本号Revision |
|--------------------|----------------------------|-------------|
| TLLF-DC-8G-T2-Cryo | Cryogenic Filters DC-8 GHz | Rev.1.1 |

典型曲线 Typical Performance Date:

