

The TURMTDC8G-4315 is a broadband limiter product. This limiter has an operating frequency range that can cover DC-8 GHz and features stable performance.

Features:

- Frequency range:DC-8 GHz
- RF Power Handling:43dBm(CW)
- Limiting power:15 dBm
- Low Insertion Loss
- 50 Ohm Matched Input / Output

Applications:

- Communication receiver
- Laboratory test
- Sensor radar

电气特性 Electrical Characteristics:

| 参数 Parameter | Min | Typ | Max | 单位 Units |
|----------------------|-----|--------|-----|----------|
| 频率范围 Frequency range | | DC-8 | | GHz |
| 插损 Insertion Loss | | 0.8 | | dB |
| 限幅电平 Limiting power | | 15 | | dBm |
| 输入驻波 Input VSWR | | 1.3 | | :1 |
| 输出驻波 Output VSWR | | 1.3 | | :1 |
| 耐功率 Power handling | | 43(CW) | | dBm |
| 阻抗 Impedance | | 50 | | Ohms |

机械特性 Mechanical Specifications:

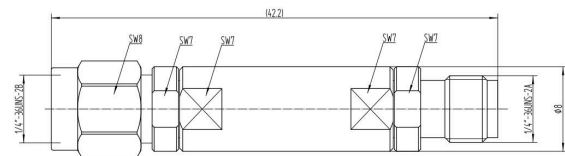
| 参数 Parameter | 指标 Value | 单位 Units |
|---------------------------------|---------------------|----------|
| 输入/输出接口 Input /Output Connector | SMA Female/SMA Male | |
| 长度 Length | 42.2 | mm |

绝对最大值 Absolute Maximum Ratings:

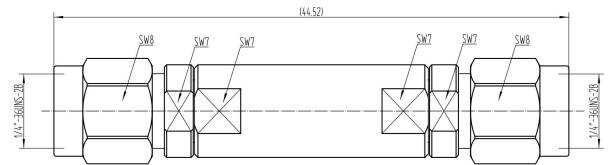
| 参数 Parameter | 指标 Value |
|------------------------------|----------------------|
| 输入功率 RF Input Power | +43 dBm |
| ESD灵敏度 ESD sensitivity (HBm) | Class 0, passed 150V |

外形图 Outline Drawing:

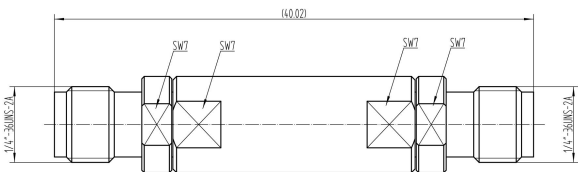
Unit:mm



TURMTDC8G-4315



TURMTDC8G-4315 MM



TURMTDC8G-4315 FF



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

温度环境 Environmental Conditions:

| 参数 Parameter | Min | Typ | Max | 单位 Units |
|------------------------------------|---|--------|------|----------|
| 操作温度 Operating Temperature | -45 | | +85 | °C |
| 存储温度 Non-operating Temperature | -55 | | +125 | °C |
| 相对湿度 Relative humidity | | 95 | | % |
| 海拔 Altitude | | 10,000 | | 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 Base Number | 描述 Description | 版本号 Revision |
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