泰莱微波
Talent Microwave

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# E-Band Low Power Termination Load

## 60-90GHz/WR12/0.5W

## Model: TLTT-6090-27-12

TLTT-6090-27-12 is a general purpose WR-12 millimeter waveguide termination. This waveguide termination will operate from 60 to 90 GHz. A Millimeter Waveguide Termination is a passive RF device specifically designed to prevent RF signals from reflecting back from open-ended or unused waveguide ports. Millimeter Waveguide Terminations dissipate RF energy by producing heat energy.

## Features:

- Frequency range:60-90GHz
- High Return Loss
- Instrumentation Grade

## Applications:

- Communication Systems
- Test Equipment

## 电气特性 Electrical Characteristics:

| 参数 Parameter | Min | Typ | Max | 单位 Units |
|---|---|---|---|---|
| 频率范围 RF Frequency range | 60 | | 90 | GHz |
| 回波损耗 Return Loss | | -35 | | dB |
| 承受功率 Power Handling | | | 0.5 | W |

## 机械特性 Mechanical Specifications:

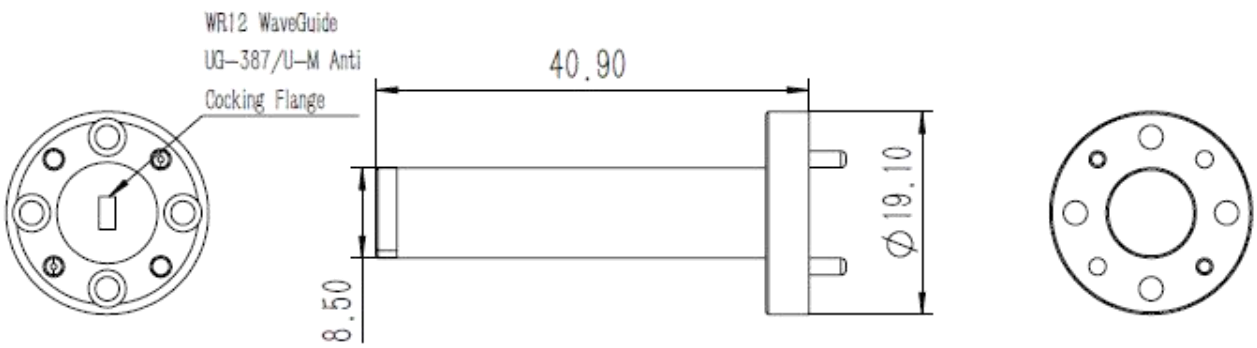
| 参数 Parameter | 指标 Value | 单位 Units |
|---|---|---|
| 操作温度 Operating Temerature | -55 To +125 | ℃ |
| 存储温度 Storage Temerature | -55 To +125 | ℃ |
| 接口 Connector | WR-12/UG-387/U | |
| 表壳材质 Case Material | Copper | |
| 表面处理 Finish | Gold Plated | |
| 尺寸 Size | 40.9*8.5 | mm |

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## 外形图 Outline Drawing:

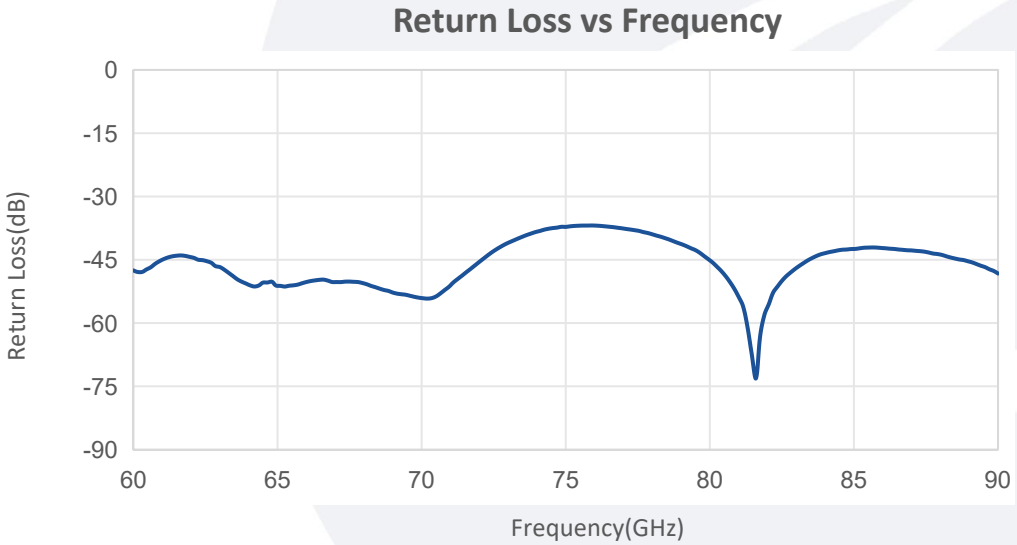
Unit:mm; Tolerance:±0.1mm




## 订货信息 Ordering Information:

| 标准型号 Base Number | 描述 Description | 版本号 Revision |
|---|---|---|
| TLTT-6090-27-12 | E-Band Low Power Termination Load<br>Return Loss:-35dB | Rev.1.1 |

## 典型曲线 Typical Performance Data:




Note: Above data is for ref only, actual data may vary from unit to unit depending on operating environment and other factors like material lots etc.