

## Power Limiter

15-40GHz /6W,Power Handling

Model: TLMT-15G40G-37-16

The TLMT-15G40G-37-16 is a broadband limiter product. This limiter has an operating frequency range that can cover 15-40 GHz and features stable performance.

### Features:

- Ultra Wide Band: 15-40 GHz
- RF Power Handling: 6W(CW)
- Limiting power: 14 dBm
- Low Insertion Loss
- 50 Ohm Matched Input / Output

### Applications:

- Communication receiver
- Laboratory test
- Sensor radar

### Electrical Characteristics:

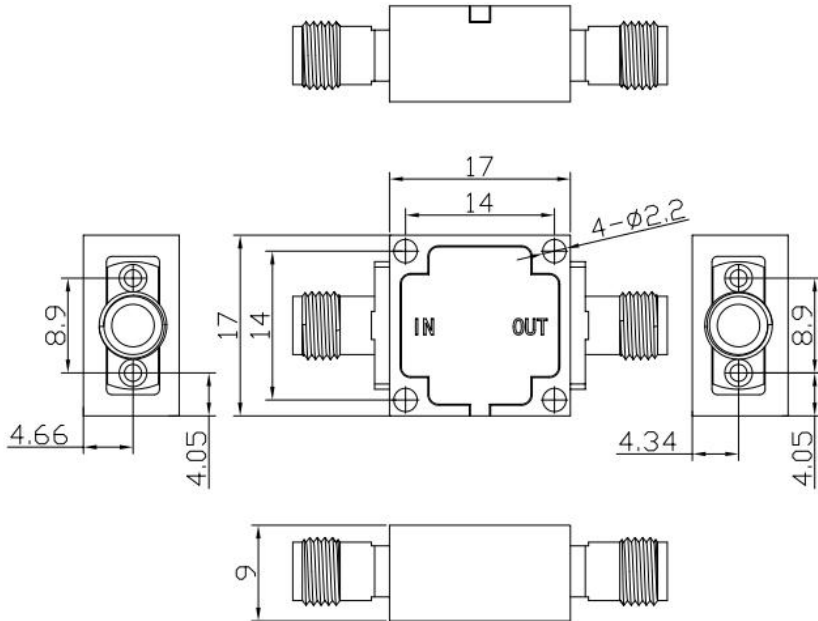
| Parameter       | Min   | Typ | Max | Units |
|-----------------|-------|-----|-----|-------|
| Frequency range | 15-40 |     |     | GHz   |
| Insertion Loss  |       | 2.4 |     | dB    |
| Limiting power  |       | 14  |     | dBm   |
| Input VSWR      |       | 2   |     | :1    |
| Output VSWR     |       | 2   |     | :1    |
| Power handling  | 6(CW) |     |     | W     |
| Impedance       | 50    |     |     | Ohms  |

### Mechanical Specifications:

| Parameter               | Value                       | Units |
|-------------------------|-----------------------------|-------|
| Input /Output Connector | 2.92mm Female/2.92mm Female |       |
| Size                    | 17*17*9                     | mm    |

## Outline Drawing:

Unit:mm



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

## Environmental Conditions:

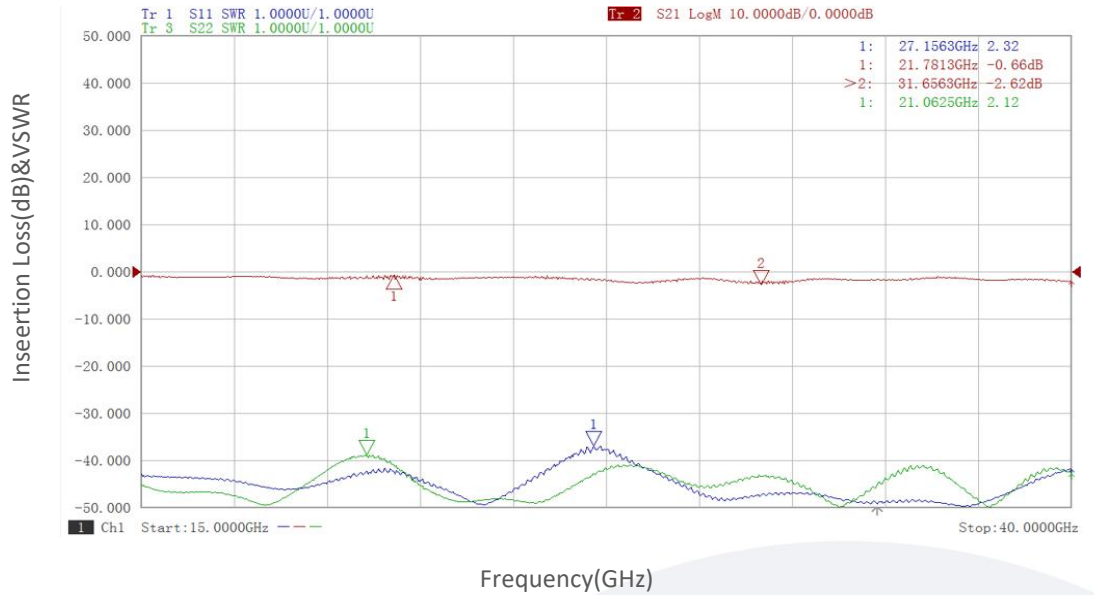
| Parameter                       | Min                                                 | Typ | Max  | Units |
|---------------------------------|-----------------------------------------------------|-----|------|-------|
| Operating Temperature           | -45                                                 |     | +85  | °C    |
| Non-operating Temperature       | -55                                                 |     | +125 | °C    |
| Relative humidity               |                                                     | 95  |      | %     |
| Altitude                        | 10,000                                              |     |      | feet  |
| Shock / Vibration(MIL-STD-810F) | 25g rms (15 degree 2KHz) endurance, 1 hour per axis |     |      |       |
| Shock(non operating)            | 20G for 11msc half sin wave,3 axis both directions  |     |      |       |

## Ordering Information:

| Base Number       | Description                                    | Revision |
|-------------------|------------------------------------------------|----------|
| TLMT-15G40G-37-16 | Power Limiter, 15-40GHz, Limiting power:14 dBm | Rev.1.1  |

## Typical Performance Data:

### Insertion Loss VSWR vs Frequency



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.