

## Coaxial Termination

DC-110GHz/1.0mm Male/1W

Model: TT1-110-1.0A-M

The TT1-110-1.0A-M is a well-matched, 50Ω male termination enabling operation from DC to 110 GHz. This termination features a 1W power rating and 1.56:1 max VSWR.

### Features:

- Operating Frequency DC to 110 GHz
- High Return Loss
- Instrumentation Grade

### Applications:

- laboratory test
- Communication equipment

### Electrical Characteristics:

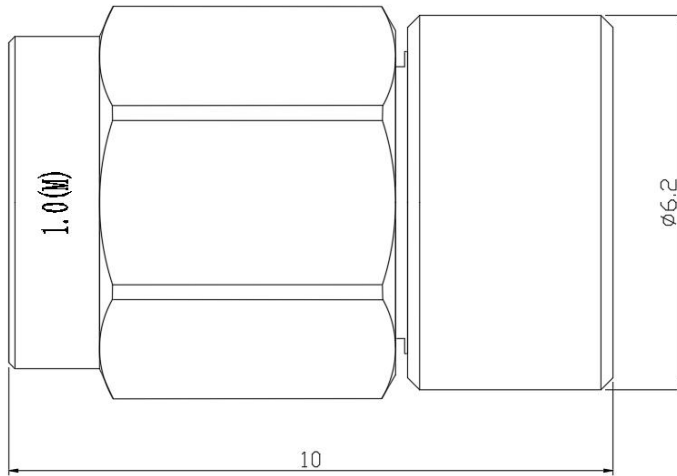
| Parameter       | Min                                          | Typ | Max  | Units |
|-----------------|----------------------------------------------|-----|------|-------|
| Frequency Range | DC                                           |     | 110  | GHz   |
| VSWR            |                                              |     | 1.56 | :1    |
| Power Handling  | ≤1Watts Average at 25°C                      |     |      | W     |
| Peak Power      | 20Watts (5 μSec Pulse Width , 2% Duty Cycle) |     |      | W     |
| Impedance       |                                              | 50  |      | Ohms  |

### Envrionmental And Physical Characteristics:

| Description          | Parameter                      | Units |
|----------------------|--------------------------------|-------|
| Operating Temerature | -55 To +125                    | °C    |
| Storage Temperature  | -55 To +125                    | °C    |
| Body Material        | Stainless Steel Passivation    |       |
| Center Conductor     | Gold-plated , Beryllium Bronze |       |
| Connectors           | 1.0mm Male                     |       |
| Relative Humidity    | 0-90%                          |       |

## Outline Drawing:

Unit:mm; Tolerance:±0.1mm

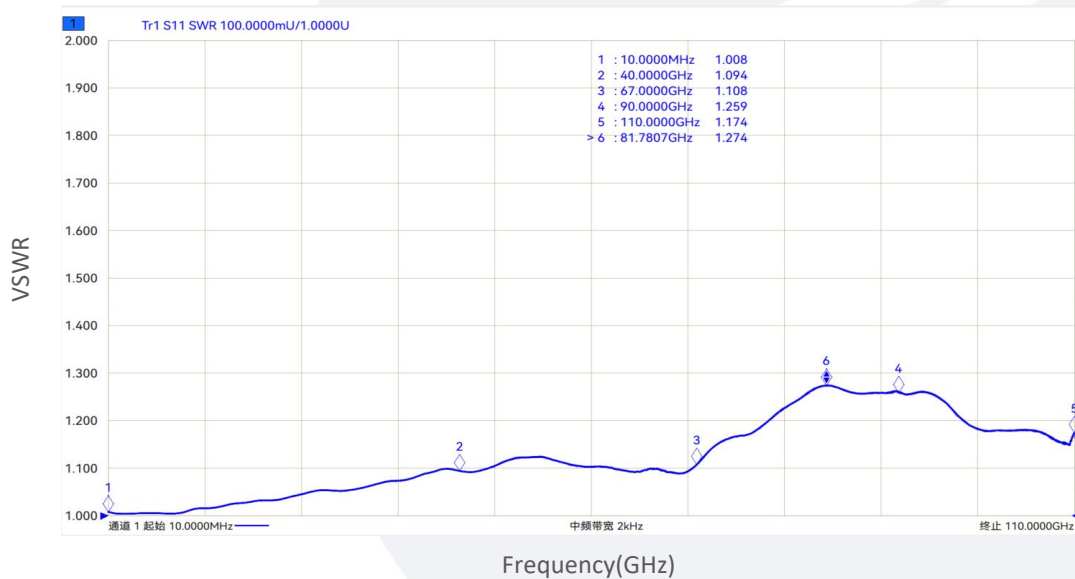


## Ordering Information:

| Base Number    | Description                                 |
|----------------|---------------------------------------------|
| TT1-110-1.0A-M | DC-110GHz,1W,1.0mm male Coaxial Termination |

## Typical Performance Data:

### 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.