

**TM0250 50Ω 2W DC~52GHz**  
**2.4mm High Performance 50Ohm Stainless Steel Terminator**



Ver A/0 Release Date March, 2018

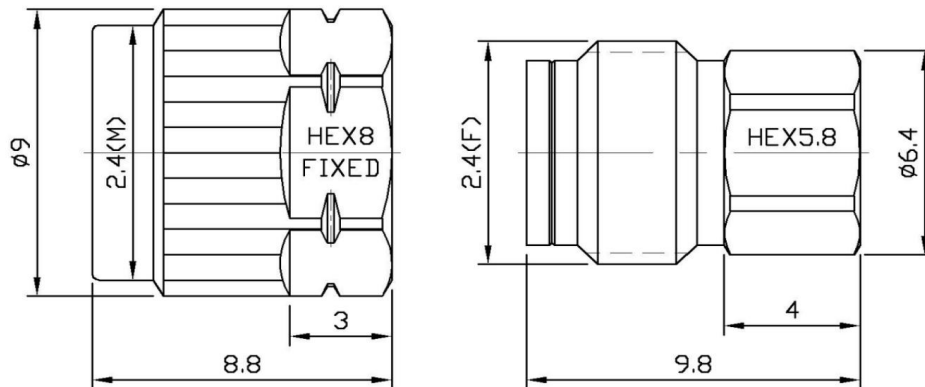
P/N:TM0250

**Features**

- DC~52GHz Frequency Range
- Max Power 2W
- VSWR < 1.38 < 1.26 < 1.18 < 1.12  
C-Class B-Class A-Class S-Class
- Miniature Size
- 2.4mm Interfaces

**Applications**

- Wireless
- Radar System
- Commercial and Military
- Test and Measurement
- Communication
- Satcom



**Mechanical & Environmental Specifications**

|                              |  |             |               |                |
|------------------------------|--|-------------|---------------|----------------|
| Outer Conductor Coupling Nut | Passivated Stainless Steel                             | Temp. Range | Storage       | -55°C~125°C    |
| Body                         | Passivated Stainless Steel                             |             | Working Temp. | -55°C~100°C    |
| Inner Conductor Male         | Beryllium Copper Gold plated( $\geq 1.27\mu\text{m}$ ) | Altitude    | Storage       | < 15300 Meters |
| Female                       | Beryllium Copper Gold plated( $\geq 1.27\mu\text{m}$ ) |             | Working Temp. | < 4800 Meters  |
| Weight                       | 3 g  |             |               |                |

**Electrical Specifications**

| Model    | Frequency Range(GHz) | VSWR(:1) | Return Loss(dB) |
|----------|----------------------|----------|-----------------|
| TM0250-C | DC~50GHz             | < 1.38   | -15.9           |
| TM0250-B | DC~50GHz             | < 1.26   | -18.8           |
| TM0250-A | DC~50GHz             | < 1.18   | -21.7           |
| TM0250-S | DC~50GHz             | < 1.12   | -24.9           |

C,B,A,S are performance level. Max frequency is 52.5GHz. Average power: Max power 2W corresponding ambient temp. is 25°C, Power derates linearly to 0.3W when temperature is up to 100°C. Peak power: Max power 100W (Maximum 5  $\mu\text{s}$  pulse, maximum 1% duty cycle)

**Remark:** a. dimension mm, tol.  $\pm 1\%$ . b. 100% test. c. Customized according to customer requestments