

**TM3050 50Ω 30W DC~52GHz**  
**2.4mm High Performance 50Ohm Stainless Steel Terminator**



Ver A/0 Release Date March, 2018

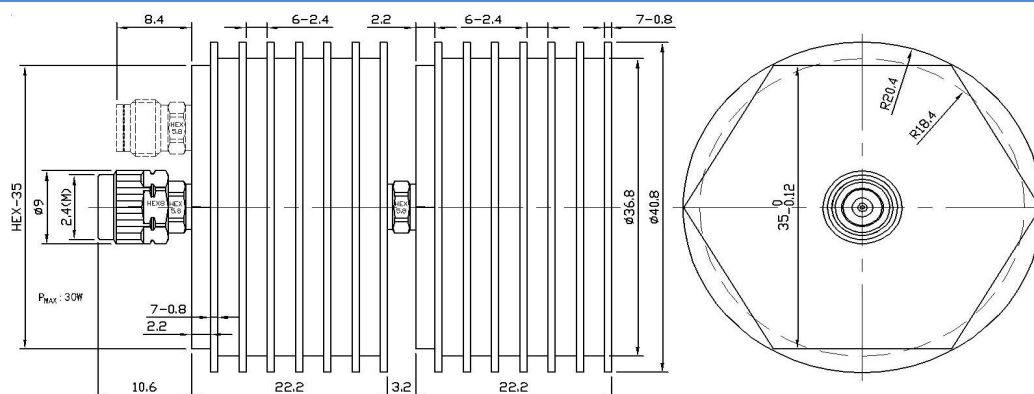
P/N:TM3050

**Features**

- DC~52GHz Frequency Range
- Max Power 30W
- VSWR < 1.52 < 1.34 < 1.23 < 1.16  
C-Class B-Class A-Class S-Class

**Applications**

- Miniature Size
- 2.4mm Interfaces
- 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	Black Anodized Aluminum Heatsink		Working Temp.	-55°C~100°C
Inner Conductor Male	Beryllium Copper Gold plated( $\geq 1.27\mu m$ )	Altitude	Storage	< 15300 Meters
Female	Beryllium Copper Gold plated( $\geq 1.27\mu m$ )		Working Temp.	< 4800 Meters
Weight	125 g			

**Electrical Specifications**

Model	Frequency Range(GHz)	VSWR(:1)	Return Loss(dB)
TM3050-C	DC~50GHz	< 1.52	-13.7
TM3050-B	DC~50GHz	< 1.34	-16.8
TM3050-A	DC~50GHz	< 1.23	-19.7
TM3050-S	DC~50GHz	< 1.16	-22.6

C,B,A,S are performance level. Max frequency is 52.5GHz. Average power: Max power 30W corresponding ambient temp. is 25°C. Power derates linearly to 3W when temperature is up to 100°C. Peak power: Max power 100W (Maximum 5  $\mu s$  pulse, maximum 10% duty cycle) Working time: no air cooling,  $\leq 5$  minutes; Reused after cooling to below 30 °C with air cooling, air volume  $\geq 15$ CFM, long-term work

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