

**TM1065    50Ω    10W    DC~69GHz**  
**1.85mm High Performance 50Ohm Stainless Steel Terminator**



Ver A/0 Release Date March, 2018

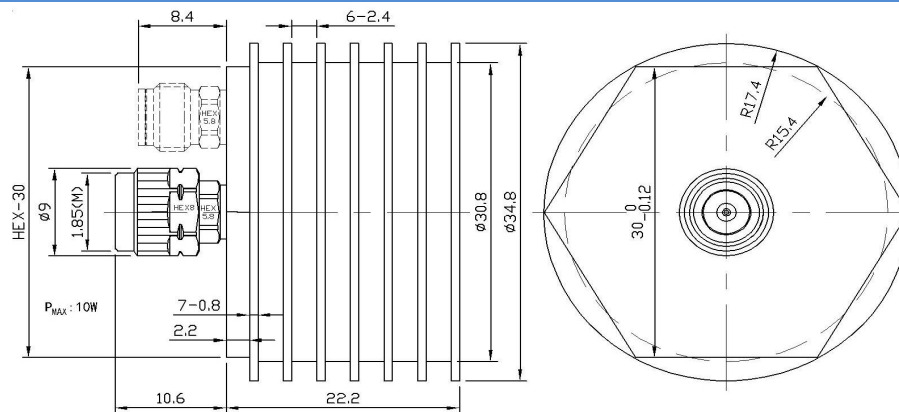
P/N:TM1065

**Features**

- DC~69GHz Frequency Range
- Max Power 10W
- VSWR    < 1.60    < 1.45    < 1.30    < 1.20  
             C-Class   B-Class   A-Class   S-Class

**Applications**

- Miniature Size
- 1.85mm 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( $\geq 1.27\mu\text{m}$ )	Altitude	Storage	< 15300 Meters
Female	Beryllium Copper Gold plated( $\geq 1.27\mu\text{m}$ )		Working Temp.	< 4800 Meters
Weight	50 g			

**Electrical Specifications**

Model	Frequency Range(GHz)	VSWR(:1)	Return Loss(dB)
TM1065-C	DC~67GHz	< 1.60	-12.7
TM1065-B	DC~67GHz	< 1.45	-14.7
TM1065-A	DC~67GHz	< 1.30	-17.7
TM1065-S	DC~67GHz	< 1.20	-20.8

C,B,A,S are performance level. Max frequency is 69.5GHz. Average power: Max power 10W corresponding ambient temp. is 25°C. Power derates linearly to 1W when temperature is up to 100°C. Peak power: Max power 50W (Maximum  $5\mu\text{s}$  pulse, maximum 6% duty cycle) Working time: no air cooling,  $\leq 5$  minutes; Reused after cooling to below 30 °C with air cooling, air volume  $\geq 5\text{CFM}$ , long-term work

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