

TM0850 50Ω 8W DC~52GHz
2.4mm High Performance 50Ohm Stainless Steel Terminator



Ver A/0 Release Date March, 2018

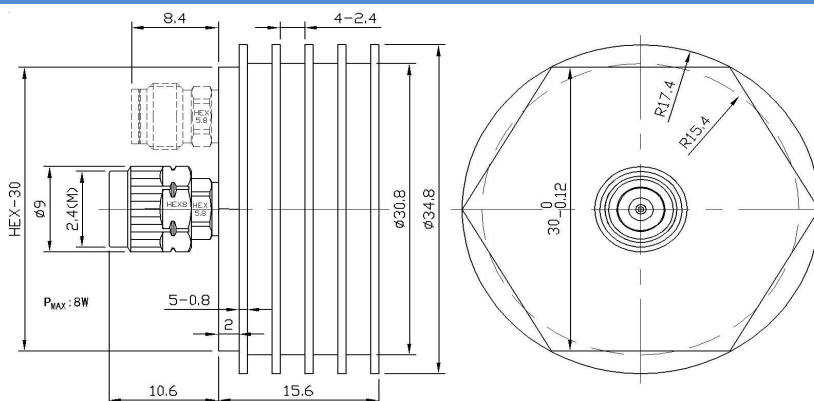
P/N:TM0850

Features

- DC~52GHz Frequency Range
- Max Power 8W
- VSWR < 1.45 < 1.30 < 1.20 < 1.14
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℃~125℃
Body	Black Anodized Aluminum Heatsink	Working Temp.		-55℃~100℃
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	35 g			

Electrical Specifications

Model	Frequency Range(GHz)	VSWR(:1)	Return Loss(dB)
TM0850-C	DC~50GHz	< 1.45	-14.7
TM0850-B	DC~50GHz	< 1.30	-17.7
TM0850-A	DC~50GHz	< 1.20	-20.8
TM0850-S	DC~50GHz	< 1.14	-23.7

C,B,A,S are performance level. Max frequency is 52.5GHz. Average power: Max power 8W corresponding ambient temp. is 25℃. Power derates linearly to 1W when temperature is up to 100℃. Peak power: Max power 100W (Maximum 5 μs pulse, maximum 3% duty cycle) Working time: no air cooling, ≤ 5 minutes; Reused after cooling to below 30℃ with air cooling, air volume $\geq 4\text{CFM}$, long-term work

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