

TM1865 50Ω 18W DC~69GHz
1.85mm High Performance 50Ohm Stainless Steel Terminator



Ver A/0 Release Date March, 2018

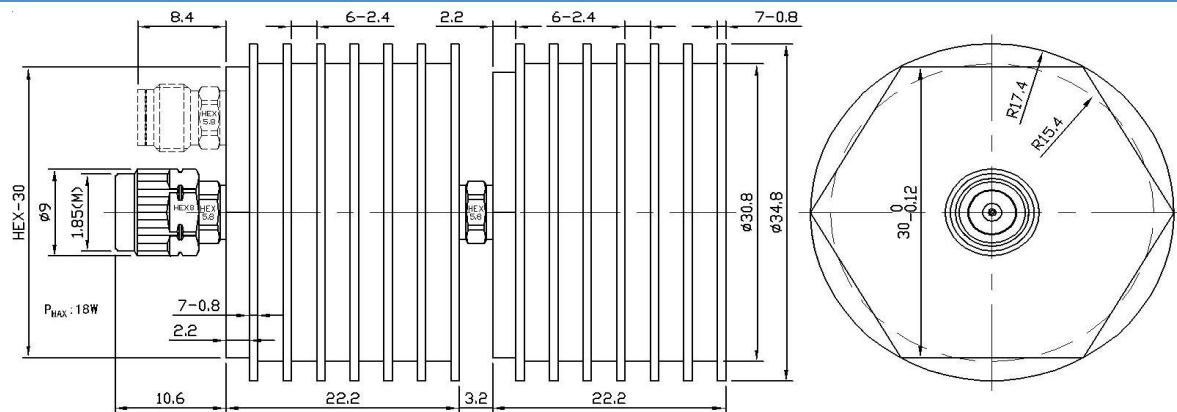
P/N:TM1865

Features

- DC~69GHz Frequency Range
- Max Power 18W
- VSWR < 1.78 < 1.58 < 1.38 < 1.26
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℃~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 | 95 g | | | |

Electrical Specifications

| Model | Frequency Range(GHz) | VSWR(:1) | Return Loss(dB) |
|----------|----------------------|----------|-----------------|
| TM1865-C | DC~67GHz | < 1.78 | -11.0 |
| TM1865-B | DC~67GHz | < 1.58 | -13.0 |
| TM1865-A | DC~67GHz | < 1.38 | -15.9 |
| TM1865-S | DC~67GHz | < 1.26 | -18.8 |

C,B,A,S are performance level. Max frequency is 69.5GHz. Average power: Max power 18W corresponding ambient temp. is 25℃. Power derates linearly to 2W when temperature is up to 100℃. Peak power: Max power 50W (Maximum 5μs pulse, maximum 10% duty cycle) Working time: no air cooling, ≤ 5 minutes; Reused after cooling to below 30℃ with air cooling, air volume ≥ 10CFM, long-term work

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