

SMA Coaxial Fixed Terminations

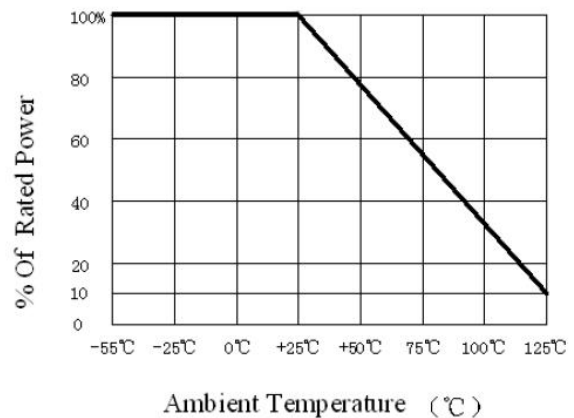
Electrical Features

- ◇ **Nominal Impedance:** 50 Ω
- ◇ **Average Power:** 5W-100W
- ◇ **Frequency Range:** DC-18GHz
- ◇ **Operating Temperature:** -55°C to +125°C
- ◇ **Connector Type:** SMA (Male)
- ◇ **RoHS Compliant**

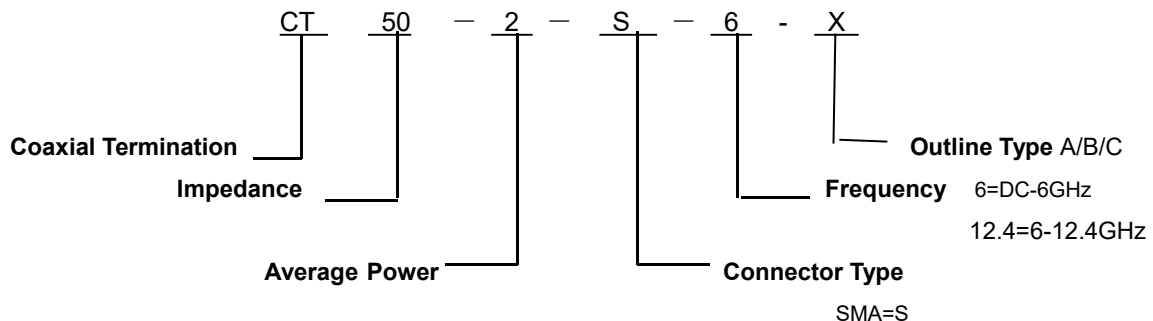
Mechanical Features

- ◇ **Housing:** Aluminum
- ◇ **Connectors:** Brass Plated Nickel
- ◇ **Male Pin:** Brass Plated Gold
- ◇ **Female Pin:** Beryllium Copper Plated Gold
- ◇ **Mechanical Tolerance:** ±5%
- ◇ **Packaging:** Box

Power Derating



HOW TO ORDER



General Specifications for SMA Connector 5W-100W DC-18GHz

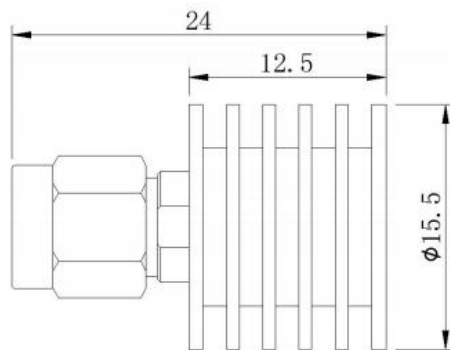
Part Number	Average Power (W)	Frequency Range (GHz)	VSWR (Max.)	Peak Power (KW)	Outline Dimensions (mm)
CT50-5-S-6-A	5	DC-6	1.20	0.2	Φ15.5x24
CT50-5-S-12.4-A	5	DC-12.4	1.25	0.2	
CT50-5-S-18-A	5	DC-18	1.35	0.2	
CT50-10-S-6-A	10	DC-6	1.20	0.2	Φ17x44
CT50-10-S-12.4-A	10	DC-12.4	1.25	0.2	
CT50-10-S-18-A	10	DC-18	1.35	0.2	
CT50-30-S-6-A	30	DC-6	1.20	0.5	Φ45x65
CT50-30-S-18-A	30	DC-12.4	1.30	0.5	
CT50-30-S-26.5-A	30	DC-18	1.35	0.5	
CT50-50-S-3-A	50	DC-3	1.20	0.5	80x60x60
CT50-50-S-6-A	50	DC-6	1.25	0.5	
CT50-50-S-18-B	50	DC-12.4	1.30	0.2	Φ64x65
CT50-50-S-26.5-B	50	DC-18	1.35	0.2	
CT50-100-S-3-A	100	DC-3	1.30	1	120x100x60
CT50-100-S-6-A	100	DC-6	1.35	1	

SMA, DC-18GHz, 5W

Electrical Specifications

- ◇ **Nominal Impedance:** 50Ω
- ◇ **Average Power:** 5W
- ◇ **Peak Power:** 0.2KW (5μs Pulse, 1% Duty Cycle)
- ◇ **Connector Type:** SMA (Male)
- ◇ **Operating Temperature:** -55℃ to +125℃
- ◇ **Dimension:** Φ15.5x24mm
- ◇ **Net Weight:** 8.5g
- ◇ **RoHS Compliant**

Outline Drawing (mm)



Part Number	Frequency Range(GHz)	VSWR (Max.)	Peak Power (KW)	Dimension (mm)
CT50-5-S-6-A	DC-6	1.20	0.2KW (5μs Pulse, 1% Duty Cycle)	Φ15.5x24
CT50-5-S-12.4-A	DC-12.4	1.25		
CT50-5-S-18-A	DC-18	1.35		

Notes:

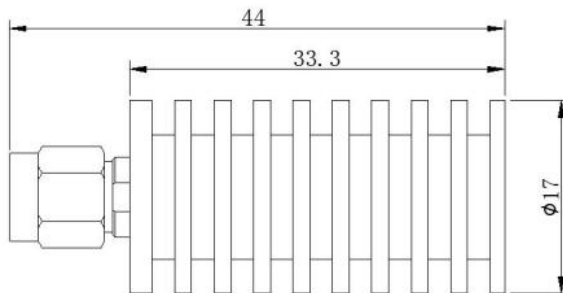
1. The input power should comply with the requirements of the power derating curve.

SMA, DC-18GHz, 10W

Electrical Specifications

- ◇ **Nominal Impedance:** 50Ω
- ◇ **Average Power:** 10W
- ◇ **Peak Power:** 0.2KW (5μs Pulse, 2% Duty Cycle)
- ◇ **Connector Type:** SMA (Male)
- ◇ **Operating Temperature:** -55℃ to +125℃
- ◇ **Dimension:** Φ17x44mm
- ◇ **Net Weight:** 18g
- ◇ **RoHS Compliant**

Outline Drawing (mm)



Part Number	Frequency Range(GHz)	VSWR (Max.)	Peak Power (KW)	Dimension (mm)
CT50-10-S-6-A	DC-6	1.20	0.2KW (5μs Pulse, 2% Duty Cycle)	Φ17x44
CT50-10-S-12.4-A	DC-12.4	1.25		
CT50-10-S-18-A	DC-18	1.35		

Notes:

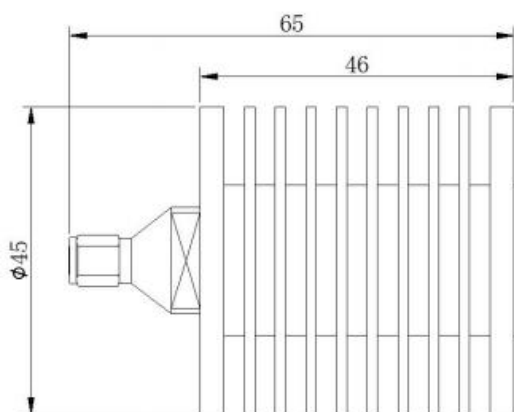
1. The input power should comply with the requirements of the power derating curve.

SMA, DC-18GHz, 30W

Electrical Specifications

- ◇ **Nominal Impedance:** 50Ω
- ◇ **Average Power:** 30W
- ◇ **Peak Power:** 0.5KW (5μs Pulse, 5% Duty Cycle)
- ◇ **Connector Type:** SMA (Male)
- ◇ **Operating Temperature:** -55℃ to +125℃
- ◇ **Dimension:** Φ45x65mm
- ◇ **Net Weight:** 120g
- ◇ **RoHS Compliant**

Outline Drawing (mm)



Part Number	Frequency Range(GHz)	VSWR (Max.)	Peak Power (KW)	Dimension (mm)
CT50-30-S-6-A	DC-6	1.20	0.5KW (5μS Pulse Width, 5% Duty Cycle)	Φ45x65
CT50-30-S-12.4-A	DC-12.4	1.30		
CT50-30-S-18-A	DC-18	1.35		

Notes:

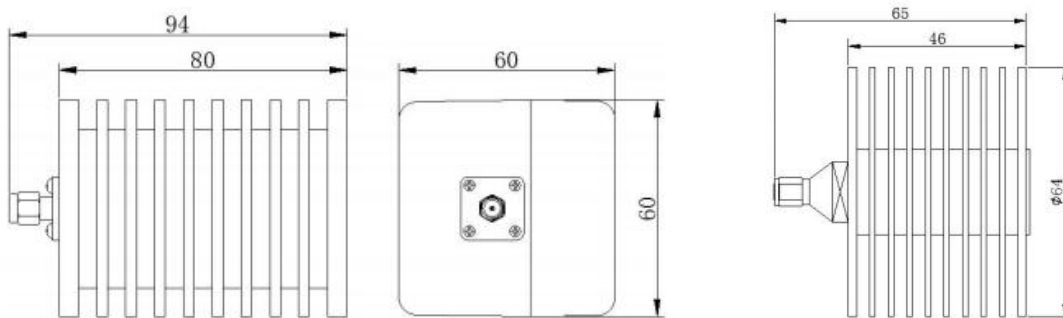
1. The input power should comply with the requirements of the power derating curve.

SMA, DC-18GHz, 50W

Electrical Specifications

- ◇ **Nominal Impedance:** 50Ω
- ◇ **Average Power:** 50W
- ◇ **Peak Power:** 0.5KW (5μs Pulse, 5% Duty Cycle)
- ◇ **Connector Type:** SMA (Male)
- ◇ **Operating Temperature:** -55℃ to +125℃
- ◇ **Dimension:** 80x60x60.4mm, Φ64x65mm
- ◇ **Net Weight:** 1.1kg, 220g
- ◇ **RoHS Compliant**

Outline Drawing (mm)



Part Number	Frequency Range(GHz)	VSWR (Max.)	Peak Power (KW)	Dimension (mm)
CT50-50-S-3-A	DC-3	1.20	0.5KW (5μS Pulse Width, 5% Duty Cycle)	80x60x60
CT50-50-S-6-A	DC-6	1.25		80x60x60
CT50-50-S-12.4-B	DC-12.4	1.30		Φ64x65
CT50-50-S-18-B	DC-18	1.35		Φ64x65

Notes:

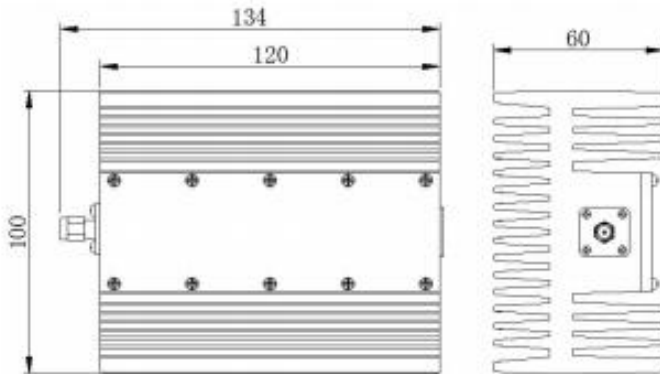
1. The input power should comply with the requirements of the power derating curve.

SMA, DC-6GHz, 100W

Electrical Specifications

- ◇ **Nominal Impedance:** 50Ω
- ◇ **Average Power:** 100W
- ◇ **Peak Power:** 1KW (5μs Pulse, 10% Duty Cycle)
- ◇ **Connector Type:** SMA (Male)
- ◇ **Operating Temperature:** -55℃ to +125℃
- ◇ **Dimension:** 120x100x60mm
- ◇ **Net Weight:** 1.1kg
- ◇ **RoHS Compliant**

Outline Drawing (mm)



Part Number	Frequency Range(GHz)	VSWR (Max.)	Peak Power (KW)	Dimension (mm)
CT50-100-S-3-A	DC-3	1.30	1KW (5μS Pulse Width, 10% Duty Cycle)	120x100x60
CT50-100-S-6-A	DC-6	1.35		

Notes:

1. The input power should comply with the requirements of the power derating curve.