

N, 7/16 Coaxial Fixed Terminations

Electrical Features

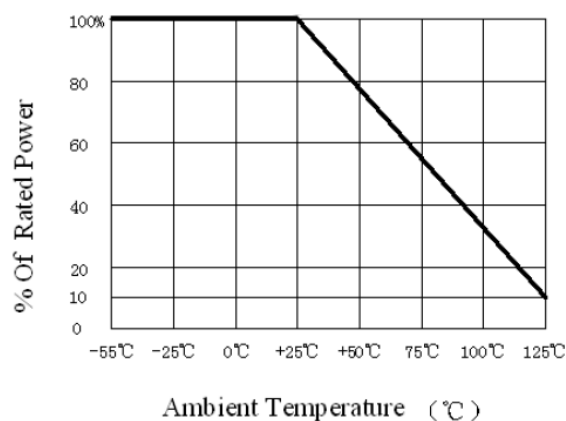
- ✧ **Nominal Impedance:** 50 Ω
- ✧ **Power Rating:** 2W-1000W
- ✧ **Frequency Range:** DC-18GHz
- ✧ **Operating Temperature:** -55°C to +125°C
- ✧ **Connector Type:** N (Male)



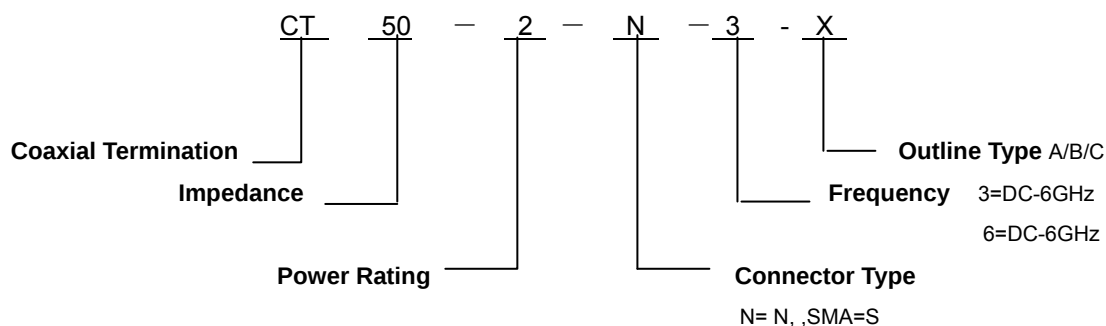
Mechanical Features

- ✧ **Housing:** Aluminum
- ✧ **Connectors:** Brass Gold Plated or Stainless Steel
- ✧ **Male Pin:** Brass Gold Plated
- ✧ **Female Pin:** Beryllium Copper Gold Plated
- ✧ **Mechanical Tolerance:** $\pm 5\%$
- ✧ **Packaging:** Box
- ✧ **RoHS Compliant**

Power Derating



HOW TO ORDER



General Specifications for N Connector 2W-1000W DC-18GHz

Part Number	Rated Power(W)	Frequency Rang (GHz)	VSWR (Max.)	Connector Type	Dimensions (mm)
CT50-2-N-3	2	DC-3	1.15	N(Male)	Φ 20×36
CT50-2-N-6		DC-6	1.20		
CT50-5-N-3-A	5	DC-3	1.20	N(Male)	Φ 20×36
CT50-5-N-6-A		DC-6	1.25		
CT50-5-N-6-B	5	DC-6	1.20	N(Male)	Φ 21x33.5
CT50-5-N-12.4-B		DC-12.4	1.25		
CT50-5-N-18-B		DC-18	1.30		
CT50-10-N-3-A	10	DC-3	1.20	N(Male)	Φ 30x48.5
CT50-10-N-6-A		DC-6	1.25		
CT50-10-N-6-B	10	DC-6	1.20	N(Male)	Φ 17x53.3
CT50-10-N-12.4-B		DC-12.4	1.25		
CT50-10-N-18-B		DC-18	1.30		
CT50-25-N-6	25	DC-6	1.20	N(Male)	Φ 17x53.3
CT50-25-N-12.4		DC-12.4	1.30		
CT50-25-N-18		DC-18	1.35		
CT50-30-N-3	30	DC-3	1.15	N(Male)	Φ 45x90
CT50-30-N-6		DC-6	1.25		
CT50-50-N-3-A	50	DC-3	1.15	N, 7/16	Φ 64x109
CT50-50-N-6-A		DC-6	1.25		
CT50-50-N-6-B	50	DC-6	1.20	N(Male)	Φ 45x125.5
CT50-50-N-12.4-B		DC-12.4	1.30		
CT50-50-N-18-B		DC-18	1.35		
CT50-50-N-3-C	50	DC-3	1.20	N, 7/16	80x60x60
CT50-50-N-6-C		DC-6	1.25		
CT50-100-N-3-A	5	DC-3	1.20	N, 7/16	120x100x60
CT50-100-N-6-A		DC-6	1.25		
CT50-100-N-6-B	100	DC-6	1.25	N(Male)	130x76 x76
CT50-100-N-8-B		DC-8	1.30		
CT50-100-N-10-B		DC-10	1.35		
CT50-200-N-3-A	200	DC-3	1.20	N(Male)	200x142x65
CT50-200-N-6-A		DC-6	1.25		
CT50-200-N-6-B	200	DC-6	1.30	N, 7/16	200x142x65
CT50-200-N-8-B		DC-8	1.35		
CT50-200-N-10-B		DC-10	1.45		
CT50-300-N-3	300	DC-3	1.20	N, 7/16	230x160x87
CT50-300-N-6		DC-6	1.40		

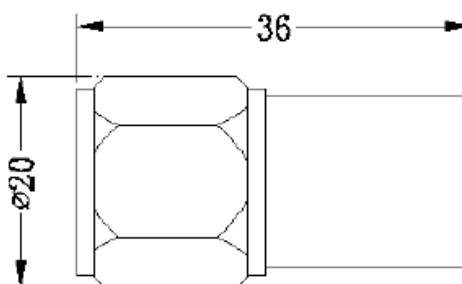
Part Number	Rated Power(W)	Frequency Rang (GHz)	VSWR (Max.)	Connector Type	Dimensions (mm)
CT50-500-N-3-A	500	DC-3	1.20	N, 7/16	400x245x97
CT50-500-N-6-A		DC-6	1.40		
CT50-500-N-12-B	500	2-12	1.30	N(Male)	280x86x60
CT50-500-N-18-B		2-18	1.50		
CT50-1000-L29E-3	1000	DC-3	1.30	7/16	400x410x147
CT50-1000-L29E-6		DC-6	1.40		

N, DC-6GHz, 2W

Electrical Specifications

- ✧ **Nominal Impedance:** 50 Ω
- ✧ **Power Rating:** 2W
- ✧ **Connector Type:** N(Male)
- ✧ **Operating Temperature:** -55°C ~ +125°C
- ✧ **RoHS Compliant**

Outline Drawing (mm)



Part Number	Frequency Range(GHz)	VSWR (Max.)	Dimensions (mm)	Weight (g)
CT50-2-N-3	DC-3	1.15	$\Phi 20 \times 36$	45
CT50-2-N-6	DC-6	1.20		

Notes:

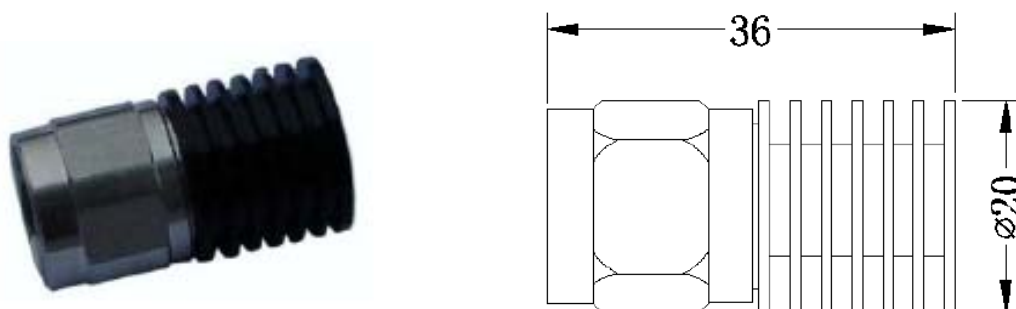
1. Input power shall meet the requirements of the power derating.
2. General peak power 10 times rated power (5 μ s pulse width, 1% duty cycle).

N, DC-6GHz, 5W

Electrical Specifications

- ✧ **Nominal Impedance:** 50 Ω
- ✧ **Power Rating:** 5W
- ✧ **Connector Type:** N(Male)
- ✧ **Operating Temperature:** -55°C ~ +125°C
- ✧ **RoHS Compliant**

Outline Drawing (mm)



Part Number	Frequency Range(GHz)	VSWR (Max.)	Dimensions (mm)	Weight (g)
CT50-5-N-3-A	DC-3	1.20	Φ 20x36	34
CT50-5-N-6-A	DC-6	1.25		

Notes:

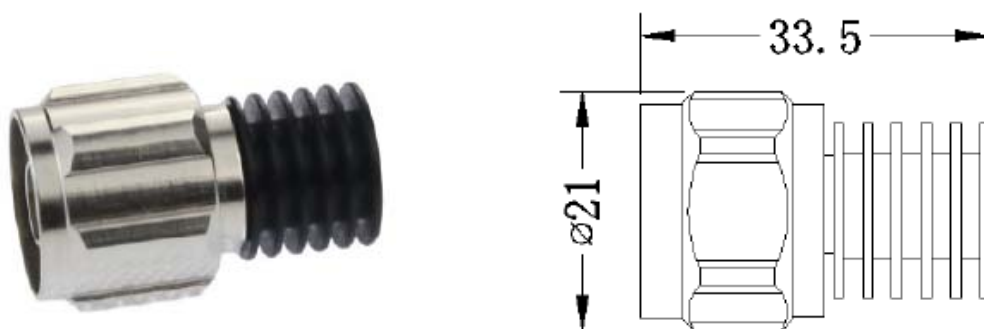
1. Input power shall meet the requirements of the power derating.
2. General peak power 10 times rated power (5 μ s pulse width, 1% duty cycle).

N, DC-18GHz, 5W

Electrical Specifications

- ✧ **Nominal Impedance:** 50 Ω
- ✧ **Power Rating:** 5W
- ✧ **Connector Type:** N(Male)
- ✧ **Operating Temperature:** -55°C ~ +125°C
- ✧ **RoHS Compliant**

Outline Drawing (mm)



Part Number	Frequency Range(GHz)	VSWR (Max.)	Dimensions (mm)	Weight (g)
CT50-5-N-6-B	DC-6	1.20	$\Phi 21 \times 33.5$	29.5
CT50-5-N-12.4-B	DC-12.4	1.25		
CT50-5-N-18-B	DC-18	1.30		

Notes:

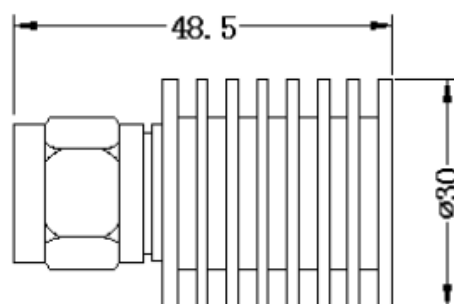
1. Input power shall meet the requirements of the power derating.
2. General peak power 10 times rated power (5 μ s pulse width, 1% duty cycle).

N, DC-6GHz, 10W

Electrical Specifications

- ✧ **Nominal Impedance:** 50 Ω
- ✧ **Power Rating:** 10W
- ✧ **Connector Type:** N(Male)
- ✧ **Operating Temperature:** -55°C ~ +125°C
- ✧ **RoHS Compliant**

Outline Drawing (mm)



Part Number	Frequency Range(GHz)	VSWR (Max.)	Dimensions (mm)	Weight (g)
CT50-10-N-3-A	DC-3	1.20	Φ 30x48.5	60
CT50-10-N-6-A	DC-6	1.25		

Notes:

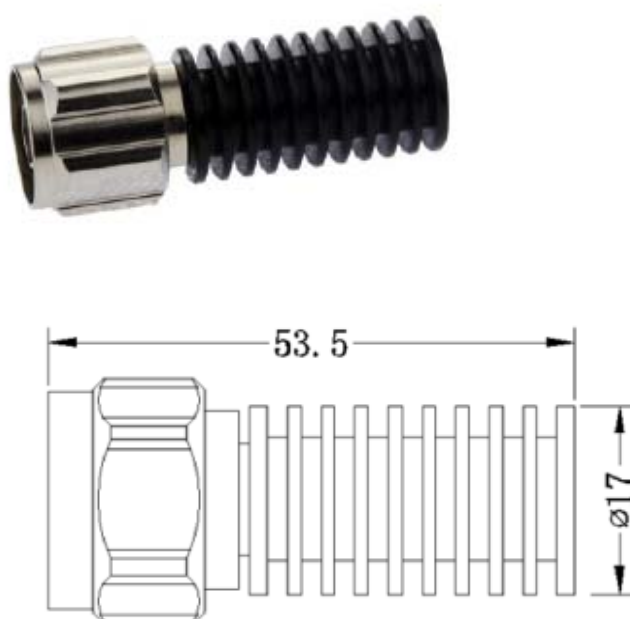
1. Input power shall meet the requirements of the power derating.
2. General peak power 10 times rated power (5 μ s pulse width, 1% duty cycle).

N, DC-18GHz, 10W

Electrical Specifications

- ✧ **Nominal Impedance:** 50 Ω
- ✧ **Power Rating:** 10W
- ✧ **Connector Type:** N(Male)
- ✧ **Operating Temperature:** -55°C ~ +125°C
- ✧ **RoHS Compliant**

Outline Drawing (mm)



Part Number	Frequency Range(GHz)	VSWR (Max.)	Dimensions (mm)	Weight (g)
CT50-10-N-6-B	DC-6	1.20	$\Phi 17 \times 53.3$	29
CT50-10-N-12.4-B	DC-12.4	1.25		
CT50-10-N-18-B	DC-18	1.30		

Notes:

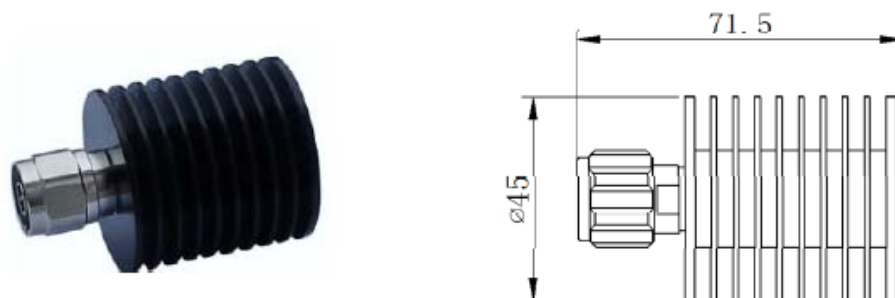
1. Input power shall meet the requirements of the power derating.
2. General peak power 10 times rated power (5 μ s pulse width, 1% duty cycle).

N, DC-18GHz, 25W

Electrical Specifications

- ✧ **Nominal Impedance:** 50 Ω
- ✧ **Power Rating:** 25W
- ✧ **Connector Type:** N(Male)
- ✧ **Operating Temperature:** -55°C ~ +125°C
- ✧ **RoHS Compliant**

Outline Drawing (mm)



Part Number	Frequency Range(GHz)	VSWR (Max.)	Dimensions (mm)	Weight (g)
CT50-25-N-6	DC-6	1.20	$\Phi 45 \times 71.5$	29
CT50-25-N-12.4	DC-12.4	1.25		
CT50-25-N-18	DC-18	1.30		

Notes:

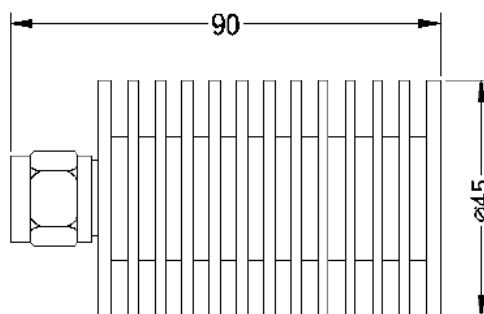
1. Input power shall meet the requirements of the power derating.
2. General peak power 10 times rated power (5 μ s pulse width, 1% duty cycle).

N, DC-6GHz, 30W

Electrical Specifications

- ✧ **Nominal Impedance:** 50 Ω
- ✧ **Power Rating:** 30W
- ✧ **Connector Type:** N(Male) or 7/16
- ✧ **Operating Temperature:** -55°C ~ +125°C
- ✧ **RoHS Compliant**

Outline Drawing (mm)



Part Number	Frequency Range(GHz)	VSWR (Max.)	Dimensions (mm)	Weight (g)
CT50-30-N-3	DC-3	1.15	Φ45x90	200
CT50-30-N-6	DC-6	1.25		

Notes:

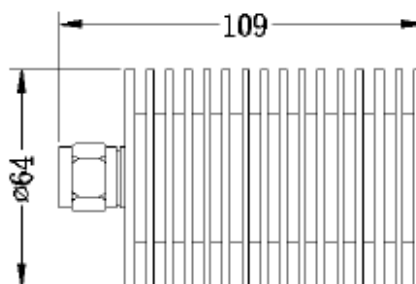
1. Input power shall meet the requirements of the power derating.
2. General peak power 10 times rated power (5μs pulse width, 1% duty cycle).

N, DC-6GHz, 50W

Electrical Specifications

- ✧ **Nominal Impedance:** 50 Ω
- ✧ **Power Rating:** 50W
- ✧ **Connector Type:** N(Male) or 7/16
- ✧ **Operating Temperature:** -55°C ~ +125°C
- ✧ **RoHS Compliant**

Outline Drawing (mm)



Part Number	Frequency Range(GHz)	VSWR (Max.)	Dimensions (mm)	Weight (g)
CT50-50-N-3-A	DC-3	1.15	Φ64x109	305
CT50-50-N-6-A	DC-6	1.25		

Notes:

1. Input power shall meet the requirements of the power derating.
2. General peak power 10 times rated power (5 μ s pulse width, 1% duty cycle).

N, DC-18GHz, 50W

Electrical Specifications

- ✧ **Nominal Impedance:** 50 Ω
- ✧ **Power Rating:** 50W
- ✧ **Connector Type:** N(Male)
- ✧ **Operating Temperature:** -55°C ~ +125°C
- ✧ **RoHS Compliant**

Outline Drawing (mm)



Part Number	Frequency Range(GHz)	VSWR (Max.)	Dimensions (mm)	Weight (g)
CT50-50-N-6-B	DC-6	1.20	$\Phi 45 \times 125.5$	249
CT50-50-N-12.4-B	DC-12.4	1.30		
CT50-50-N-18-B	DC-18	1.35		

Notes:

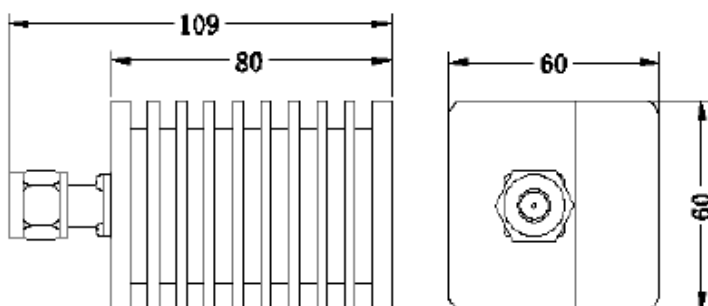
1. Input power shall meet the requirements of the power derating.
2. General peak power 10 times rated power (5 μ s pulse width, 1% duty cycle).

N, DC-6GHz, 50W

Electrical Specifications

- ✧ **Nominal Impedance:** 50 Ω
- ✧ **Power Rating:** 50W
- ✧ **Connector Type:** N(Male) or 7/16
- ✧ **Operating Temperature:** -55°C ~ +125°C
- ✧ **RoHS Compliant**

Outline Drawing (mm)



Part Number	Frequency Range(GHz)	VSWR (Max.)	Dimensions (mm)	Weight (g)
CT50-50-N-3-C	DC-3	1.20	80x60x60	390
CT50-50-N-6-C	DC-6	1.25		

Notes:

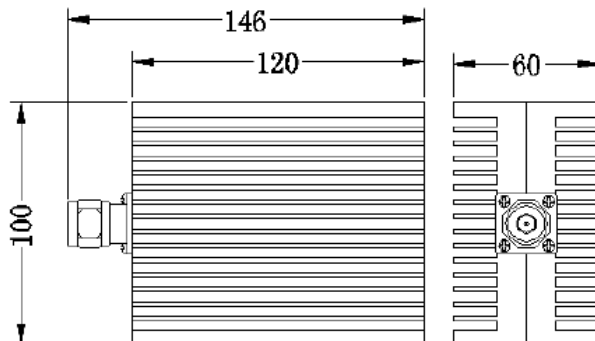
1. Input power shall meet the requirements of the power derating.
2. General peak power 10 times rated power (5 μ s pulse width, 1% duty cycle).

N, DC-6GHz, 100W

Electrical Specifications

- ✧ **Nominal Impedance:** 50 Ω
- ✧ **Power Rating:** 100W
- ✧ **Connector Type:** N(Male) or 7/16
- ✧ **Operating Temperature:** -55°C ~ +125°C
- ✧ **RoHS Compliant**

Outline Drawing (mm)



Part Number	Frequency Range(GHz)	VSWR (Max.)	Dimensions (mm)	Weight (kg)
CT50-100-N-3-A	DC-3	1.20	120x100x60	1.3
CT50-100-N-6-A	DC-6	1.25		

Notes:

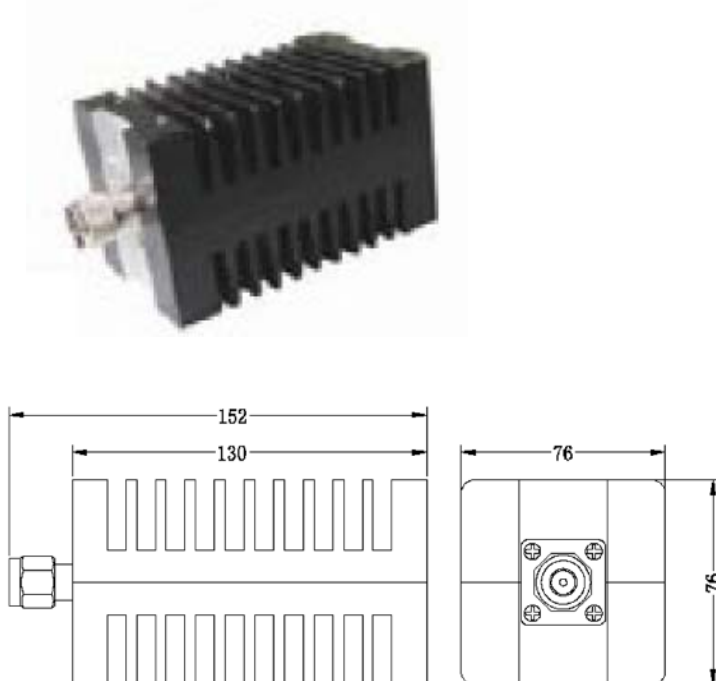
1. Input power shall meet the requirements of the power derating.
2. General peak power 10 times rated power (5 μ s pulse width, 1% duty cycle).

N, DC-10GHz, 100W

Electrical Specifications

- ✧ **Nominal Impedance:** 50 Ω
- ✧ **Power Rating:** 100W
- ✧ **Connector Type:** N(Male)
- ✧ **Operating Temperature:** -55°C ~ +125°C
- ✧ **RoHS Compliant**

Outline Drawing (mm)



Part Number	Frequency Range(GHz)	VSWR (Max.)	Dimensions (mm)	Weight (kg)
CT50-100-N-6-B	DC-6	1.25	130x76x76	1.4
CT50-100-N-8-B	DC-8	1.30		
CT50-100-N-10-B	DC-10	1.35		

Notes:

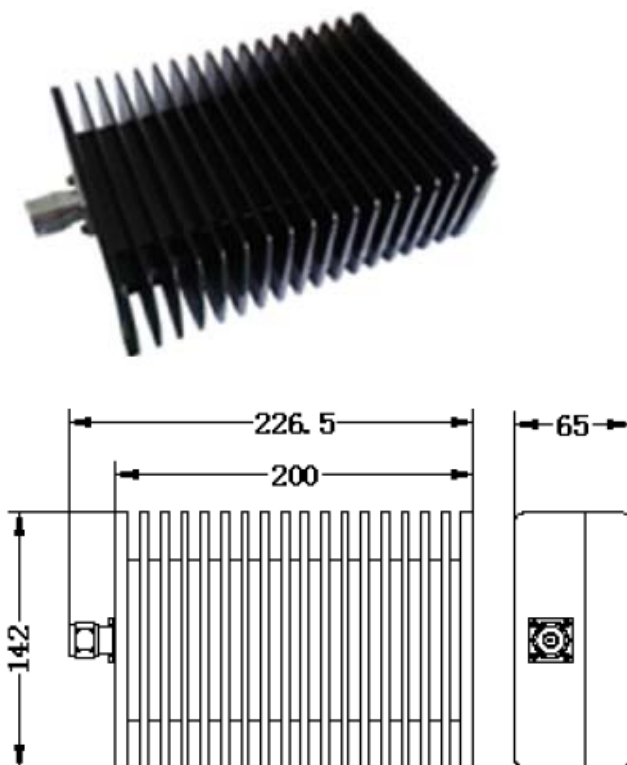
1. Input power shall meet the requirements of the power derating.
2. General peak power 10 times rated power (5 μ s pulse width, 1% duty cycle).

N, DC-6GHz, 200W

Electrical Specifications

- ✧ **Nominal Impedance:** 50 Ω
- ✧ **Power Rating:** 200W
- ✧ **Connector Type:** N(Male) or 7/16
- ✧ **Operating Temperature:** -55°C ~ +125°C
- ✧ **RoHS Compliant**

Outline Drawing (mm)



Part Number	Frequency Range(GHz)	VSWR (Max.)	Dimensions (mm)	Weight (kg)
CT50-200-N-3-A	DC-3	1.20	200x142x65	2.3
CT50-200-N-6-A	DC-6	1.25		

Notes:

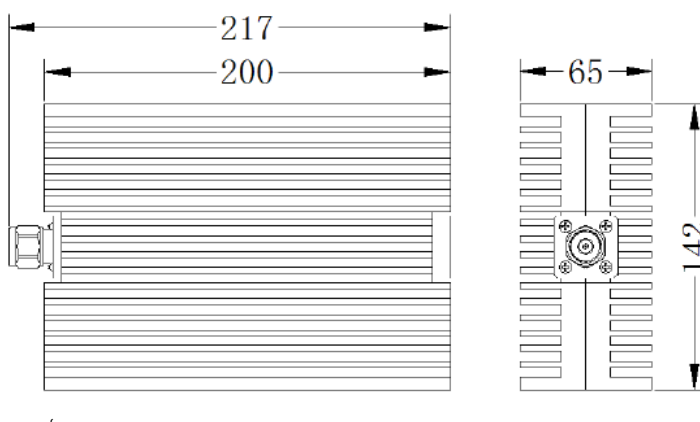
1. Input power shall meet the requirements of the power derating.
2. General peak power 10 times rated power (5 μ s pulse width, 1% duty cycle).

N, DC-10GHz, 200W

Electrical Specifications

- ✧ **Nominal Impedance:** 50 Ω
- ✧ **Power Rating:** 200W
- ✧ **Connector Type:** N(Male)
- ✧ **Operating Temperature:** -55°C ~ +125°C
- ✧ **RoHS Compliant**

Outline Drawing (mm)



Part Number	Frequency Range(GHz)	VSWR (Max.)	Dimensions (mm)	Weight (kg)
CT50-200-N-6-B	DC-6	1.30	200x142x65	3.1
CT50-200-N-8-B	DC-8	1.35		
CT50-200-N-10-B	DC-10	1.45		

Notes:

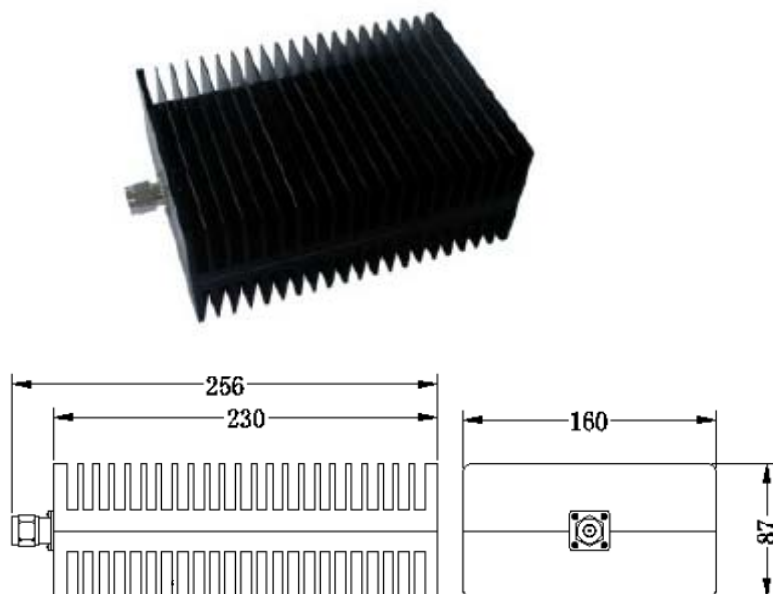
1. Input power shall meet the requirements of the power derating.
2. General peak power 10 times rated power (5 μ s pulse width, 1% duty cycle).

N, DC-6GHz, 300W

Electrical Specifications

- ✧ **Nominal Impedance:** 50 Ω
- ✧ **Power Rating:** 300W
- ✧ **Connector Type:** N(Male) or 7/16
- ✧ **Operating Temperature:** -55°C ~ +125°C
- ✧ **RoHS Compliant**

Outline Drawing (mm)



Part Number	Frequency Range(GHz)	VSWR (Max.)	Dimensions (mm)	Weight (kg)
CT50-300-N-3	DC-3	1.20	230x160x87	3.4
CT50-300-N-6	DC-6	1.40		

Notes:

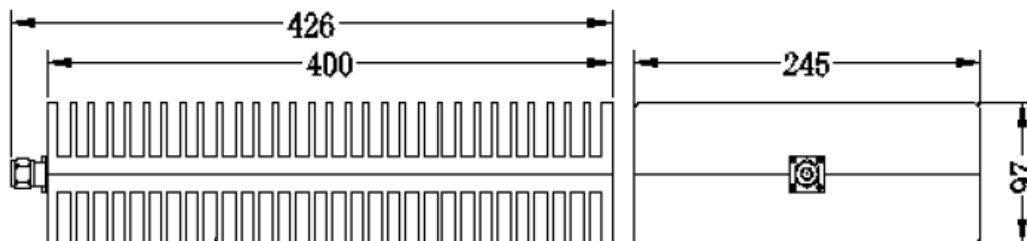
1. Input power shall meet the requirements of the power derating.
2. General peak power 10 times rated power (5 μ s pulse width, 1% duty cycle).

N, DC-6GHz, 500W

Electrical Specifications

- ✧ **Nominal Impedance:** 50 Ω
- ✧ **Power Rating:** 500W
- ✧ **Connector Type:** N(Male) or 7/16
- ✧ **Operating Temperature:** -55°C ~ +125°C
- ✧ **RoHS Compliant**

Outline Drawing (mm)



Part Number	Frequency Range(GHz)	VSWR (Max.)	Dimensions (mm)	Weight (kg)
CT50-500-N-3-A	DC-3	1.20	400x245x97	10
CT50-500-N-6-A	DC-6	1.40		

Notes:

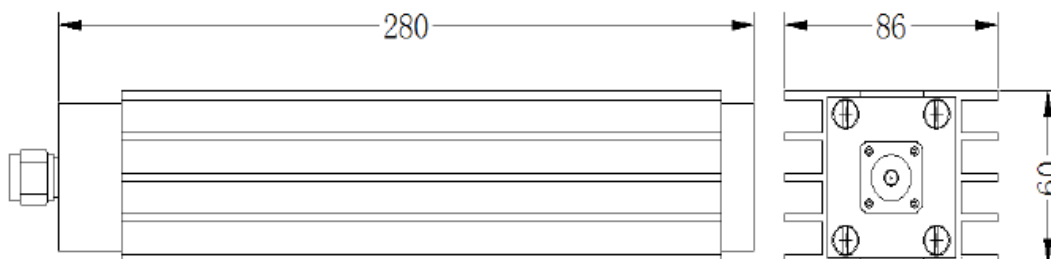
1. Input power shall meet the requirements of the power derating.
2. General peak power 10 times rated power (5 μ s pulse width, 1% duty cycle).

N, DC-18GHz, 500W

Electrical Specifications

- ✧ **Nominal Impedance:** 50 Ω
- ✧ **Power Rating:** 500W
- ✧ **Connector Type:** N(Male)
- ✧ **Operating Temperature:** -55°C ~ +125°C
- ✧ **RoHS Compliant**

Outline Drawing (mm)



Part Number	Frequency Range(GHz)	VSWR (Max.)	Dimensions (mm)
CT50-500-N-12-B	2 - 12	1.30	280x86x60
CT50-500-N-18-B	2 - 18	1.50	

Notes:

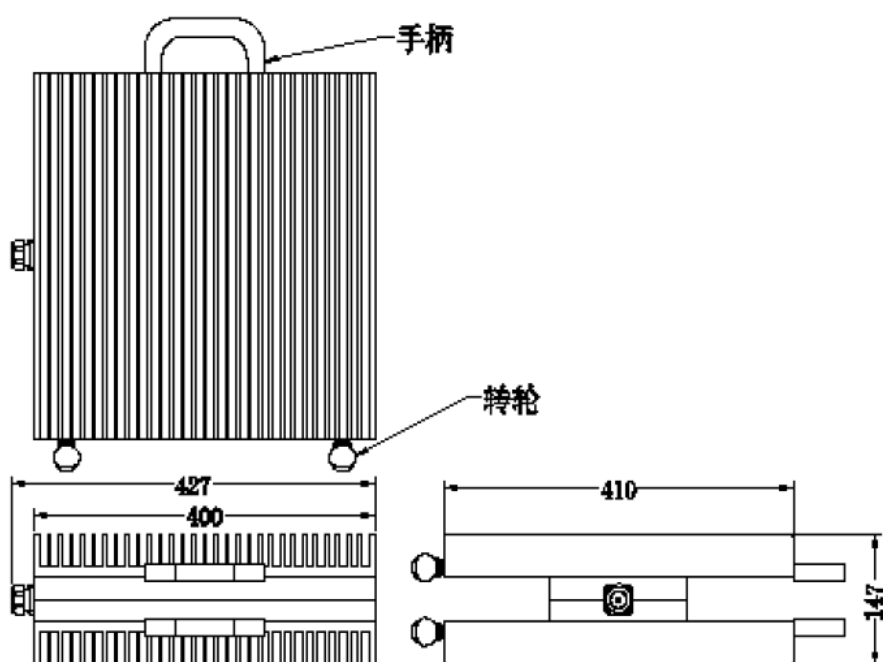
1. Input power shall meet the requirements of the power derating.
2. General peak power 10 times rated power (5 μ s pulse width, 1% duty cycle).

7/16, DC-6GHz, 1000W

Electrical Specifications

- ✧ **Nominal Impedance:** 50 Ω
- ✧ **Power Rating:** 1000W
- ✧ **Connector Type:** N(Male)
- ✧ **Operating Temperature:** -55°C ~ +125°C
- ✧ **RoHS Compliant**

Outline Drawing (mm)



Part Number	Frequency Range(GHz)	VSWR (Max.)	Dimensions (mm)
CT50-1000-L29E-3	DC-3	1.30	400x410x147
CT50-1000-L29E-6	DC-6	1.40	

Notes:

1. Input power shall meet the requirements of the power derating.
2. General peak power 10 times rated power (5 μ s pulse width, 1% duty cycle).