

2.4mm Coaxial Fixed Terminations

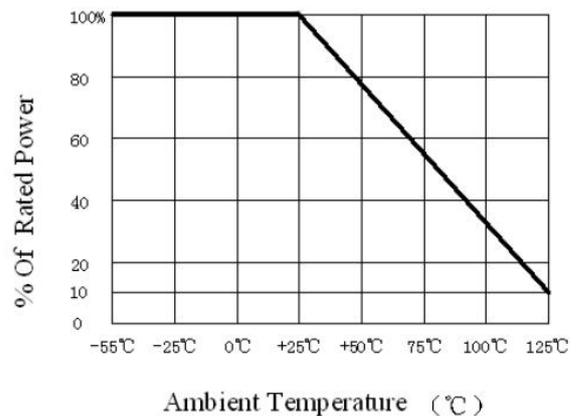
Electrical Features

- ◇ **Nominal Impedance:** 50 Ω
- ◇ **Average Power:** 2W-20W
- ◇ **Frequency Range:** DC-50GHz
- ◇ **Operating Temperature:** -55°C to +125°C
- ◇ **Connector Type:** 2.4mm (Male or Female)
- ◇ **RoHS Compliant**

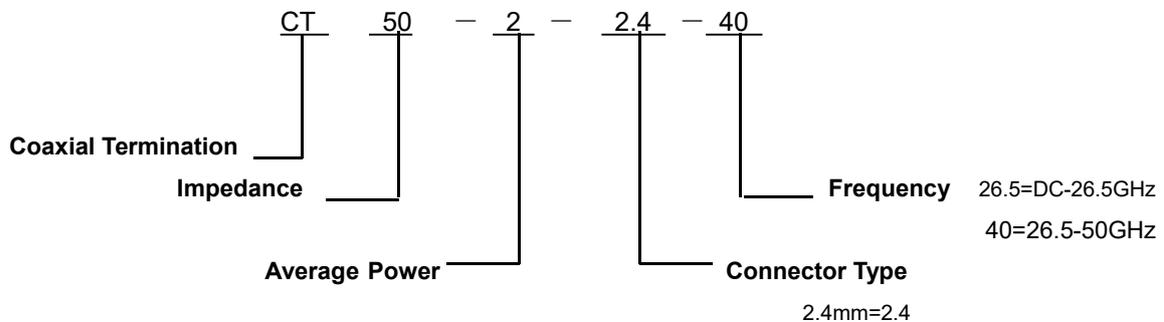
Mechanical Features

- ◇ **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 2.4 mm Connector 2W-20W DC-50GHz

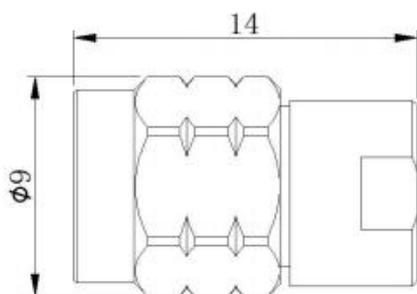
Part Number	Average Power (W)	Frequency Range (GHz)	VSWR (Max.)	Peak Power (KW)	Outline Dimensions (mm)
CT50-2-2.4-26.5	2	DC-26.5	1.25	0.1	Φ9x14 (M) Φ9x11.1 (F)
CT50-2-2.4-40	2	26.5-40	1.30	0.1	
CT50-2-2.4-50	2	40-50	1.35	0.1	
CT50-5-2.4-26.5	5	DC-26.5	1.30	0.2	Φ38x24.4(M) Φ38x21.5 (F)
CT50-5-2.4-40	5	26.5-40	1.35	0.2	
CT50-5-2.4-50	5	40-50	1.40	0.2	
CT50-10-2.4-26.5	10	DC-26.5	1.30	0.2	Φ38x40.5(M) Φ38x37.6(F)
CT50-10-2.4-40	10	26.5-40	1.35	0.2	
CT50-10-2.4-50	10	40-50	1.40	0.2	
CT50-20-2.4-26.5	20	DC-26.5	1.35	0.2	Φ38x72.7(M) Φ38x69.8(F)
CT50-20-2.4-40	20	26.5-40	1.40	0.2	
CT50-20-2.4-50	20	40-50	1.50	0.2	

2.4mm, DC-50GHz, 2W

Electrical Specifications

- ◇ **Nominal Impedance:** 50Ω
- ◇ **Average Power:** 2W
- ◇ **Peak Power:** 0.1KW (1μs Pulse, 1% Duty Cycle)
- ◇ **Connector Type:** 2.4mm (Male or Female)
- ◇ **Operating Temperature:** -55℃ to +125℃
- ◇ **Dimension:** Φ9x14mm (Male), Φ9x11.1mm (Female)
- ◇ **Net Weight:** 5g
- ◇ **RoHS Compliant**

Outline Drawing (mm)



Part Number	Frequency Range(GHz)	VSWR (Max.)	Peak Power (KW)	Dimension (mm)
CT50-2-2.4-26.5	DC-26.5	1.25	0.1KW (1μs Pulse, 1% Duty Cycle)	Φ9x14 (M) Φ9x11.1 (F)
CT50-2-2.4-40	26.5-40	1.30		
CT50-2-2.4-50	40-50	1.35		

Notes:

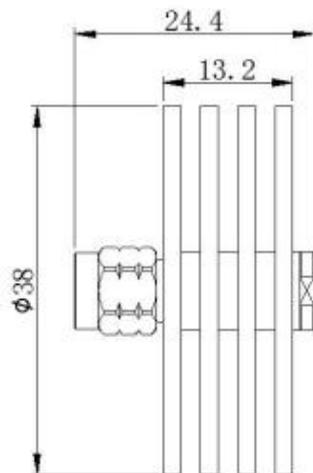
1. The input power should comply with the requirements of the power derating curve.

2.4mm, DC-50GHz, 5W

Electrical Specifications

- ◇ **Nominal Impedance:** 50Ω
- ◇ **Average Power:** 5W
- ◇ **Peak Power:** 0.2KW (1μs Pulse, 1% Duty Cycle)
- ◇ **Connector Type:** 2.4mm (Male or Female)
- ◇ **Operating Temperature:** -55℃ to +125℃
- ◇ **Dimension:** Φ38x24.4mm, Φ38x21.5mm
- ◇ **Net Weight:** 30g
- ◇ **RoHS Compliant**

Outline Drawing (mm)



Part Number	Frequency Range(GHz)	VSWR (Max.)	Peak Power (KW)	Dimension (mm)
CT50-5-2.4-26.5	DC-26.5	1.30	0.2KW (1μs Pulse, 1% Duty Cycle)	Φ38x24.4 (M) Φ38x21.5 (F)
CT50-5-2.4-40	26.5-40	1.35		
CT50-5-2.4-50	40-50	1.40		

Notes:

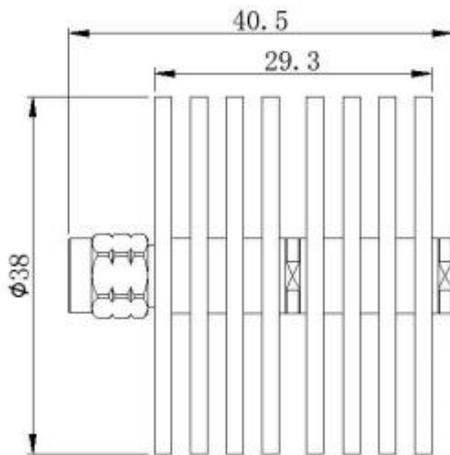
1. The input power should comply with the requirements of the power derating curve.

2.4mm, DC-50GHz, 10W

Electrical Specifications

- ◇ **Nominal Impedance:** 50Ω
- ◇ **Average Power:** 10W
- ◇ **Peak Power:** 0.2KW (1μs Pulse, 1% Duty Cycle)
- ◇ **Connector Type:** 2.4mm (Male or Female)
- ◇ **Operating Temperature:** -55℃ to +125℃
- ◇ **Dimension:** Φ38x40.5mm (Male), Φ38x37.6mm (Female)
- ◇ **Net Weight:** 50g
- ◇ **RoHS Compliant**

Outline Drawing (mm)



Part Number	Frequency Range(GHz)	VSWR (Max.)	Peak Power (KW)	Dimension (mm)
CT50-10-2.4-26.5	DC-26.5	1.30	0.2KW (1μS Pulse Width, 1% Duty Cycle)	Φ38×40.5 (M) Φ38×37.6 (F)
CT50-10-2.4-40	26.5-40	1.35		
CT50-10-2.4-50	40-50	1.40		

Notes:

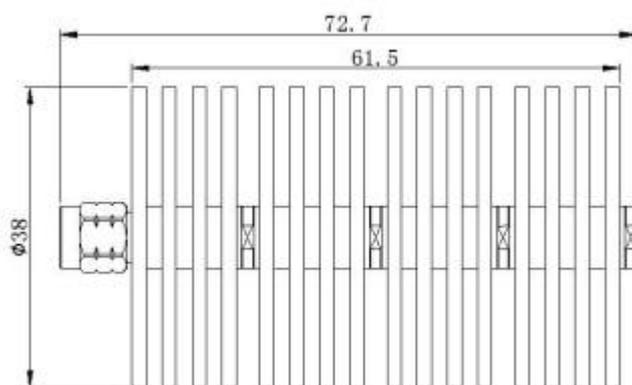
1. The input power should comply with the requirements of the power derating curve.

2.4mm, DC-50GHz, 20W

Electrical Specifications

- ◇ **Nominal Impedance:** 50Ω
- ◇ **Average Power:** 20W
- ◇ **Peak Power:** 0.2KW (1μs Pulse, 1% Duty Cycle)
- ◇ **Connector Type:** 2.4mm (Male or Female)
- ◇ **Operating Temperature:** -55℃ to +125℃
- ◇ **Dimension:** Φ38x72.7mm (Male), Φ38x69.8mm (Female)
- ◇ **Net Weight:** 75g
- ◇ **RoHS Compliant**

Outline Drawing (mm)



Part Number	Frequency Range(GHz)	VSWR (Max.)	Peak Power (KW)	Dimension (mm)
CT50-20-2.4-26.5	DC-26.5	1.35	0.2KW (1μS Pulse Width, 1% Duty Cycle)	Φ38×72.7 (M) Φ38×69.8 (F)
CT50-20-2.4-40	26.5-40	1.40		
CT50-20-2.4-50	40-50	1.50		

Notes:

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