

1.85mm Coaxial Fixed Terminations

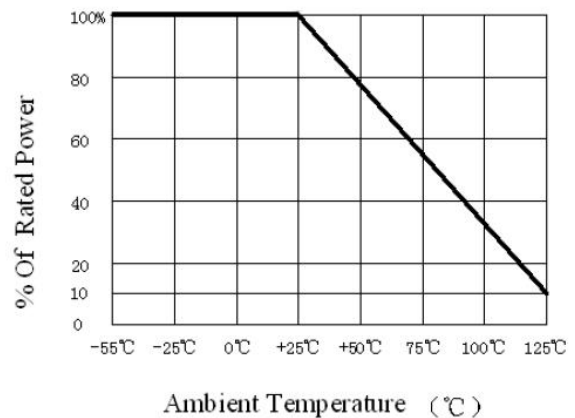
Electrical Features

- ◇ **Nominal Impedance:** 50 Ω
- ◇ **Average Power:** 2W-10W
- ◇ **Frequency Range:** DC-67GHz
- ◇ **Operating Temperature:** -55°C to +125°C
- ◇ **Connector Type:** 1.85mm (Male or Female)
- ◇ **RoHS Compliant**

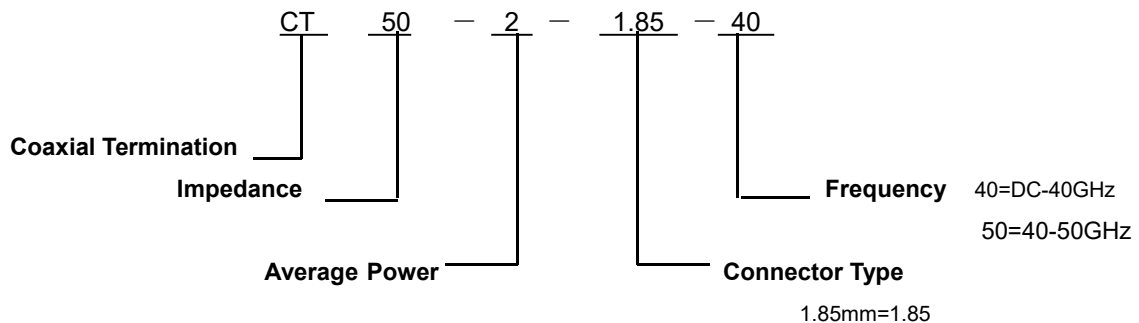
Mechanical Features

- ◇ **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 1.85 mm Connector 2W-10W DC-67GHz

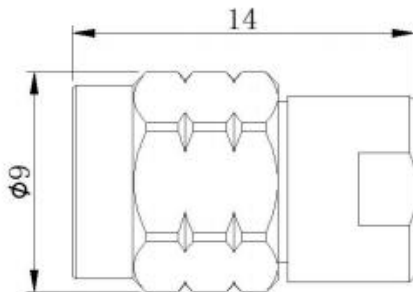
Part Number	Average Power (W)	Frequency Range (GHz)	VSWR (Max.)	Peak Power (KW)	Outline Dimensions (mm)
CT50-2-1.85-40	2	DC-40	1.25	0.1	Φ9x14 (M) Φ9x11.1 (F)
CT50-2-1.85-50	2	40-50	1.30	0.1	
CT50-2-1.85-67	2	50-67	1.35	0.1	
CT50-5-1.85-40	5	DC-40	1.25	0.2	Φ38x24.4(M) Φ38x21.5 (F)
CT50-5-1.85-50	5	40-50	1.30	0.2	
CT50-5-1.85-67	5	50-67	1.35	0.2	
CT50-10-1.85-40	10	DC-40	1.25	0.2	Φ38x40.5(M) Φ38x37.6(F)
CT50-10-1.85-50	10	40-50	1.30	0.2	
CT50-10-1.85-67	10	50-67	1.35	0.2	

1.85mm, DC-67GHz, 2W

Electrical Specifications

- ◇ **Nominal Impedance:** 50Ω
- ◇ **Average Power:** 2W
- ◇ **Peak Power:** 0.1KW (5μs Pulse, 1% Duty Cycle)
- ◇ **Connector Type:** 1.85mm (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)
CT50-2-1.85-40	DC-40	1.25	0.1KW (5μs Pulse, 1% Duty Cycle)	Φ9x14 (M) Φ9x11.1 (F)
CT50-2-1.85-50	40-50	1.30		
CT50-2-1.85-67	50-67	1.35		

Notes:

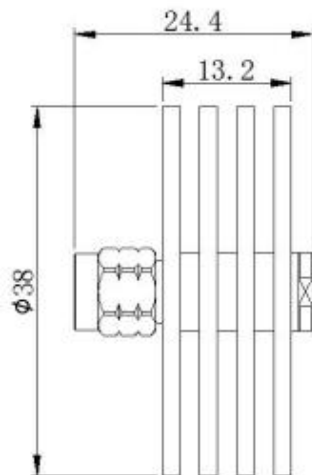
1. The input power should comply with the requirements of the power derating curve.

1.85mm, DC-67GHz, 5W

Electrical Specifications

- ◇ **Nominal Impedance:** 50Ω
- ◇ **Average Power:** 5W
- ◇ **Peak Power:** 0.2KW (1μs Pulse, 1% Duty Cycle)
- ◇ **Connector Type:** 1.85mm (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)
CT50-5-1.85-40	DC-40	1.25	0.2KW (1μs Pulse, 1% Duty Cycle)	Φ38x24.4 (M) Φ38x21.5 (F)
CT50-5-1.85-50	40-50	1.30		
CT50-5-1.85-67	50-67	1.35		

Notes:

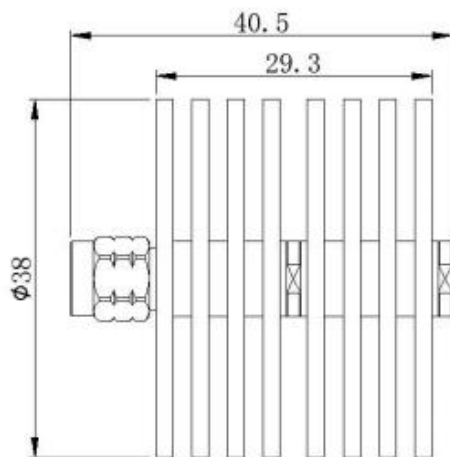
1. The input power should comply with the requirements of the power derating curve.

1.85mm, DC-67GHz, 10W

Electrical Specifications

- ◇ **Nominal Impedance:** 50Ω
- ◇ **Average Power:** 10W
- ◇ **Peak Power:** 0.2KW (1μs Pulse, 1% Duty Cycle)
- ◇ **Connector Type:** 1.85mm (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)
CT50-10-1.85-40	DC-40	1.25	0.2KW (1μS Pulse Width, 1% Duty Cycle)	Φ38×40.5 (M) Φ38×37.6 (F)
CT50-10-1.85-50	40-50	1.30		
CT50-10-1.85-67	50-67	1.35		

Notes:

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