

3.5mm Coaxial Fixed Terminations

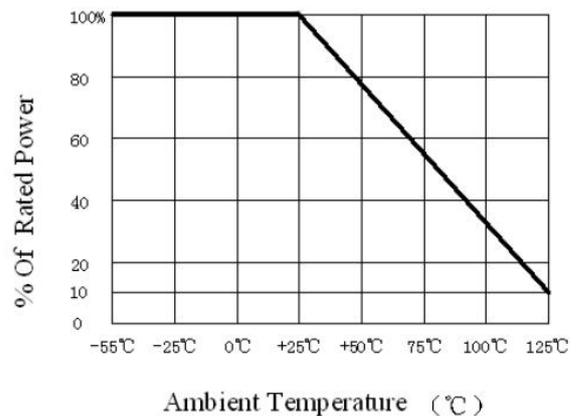
Electrical Features

- ◇ **Nominal Impedance:** 50 Ω
- ◇ **Average Power:** 2W-100W
- ◇ **Frequency Range:** DC-26.5GHz
- ◇ **Operating Temperature:** -55°C to +125°C
- ◇ **Connector Type:** 3.5mm (Male or Female)
- ◇ **RoHS Compliant**

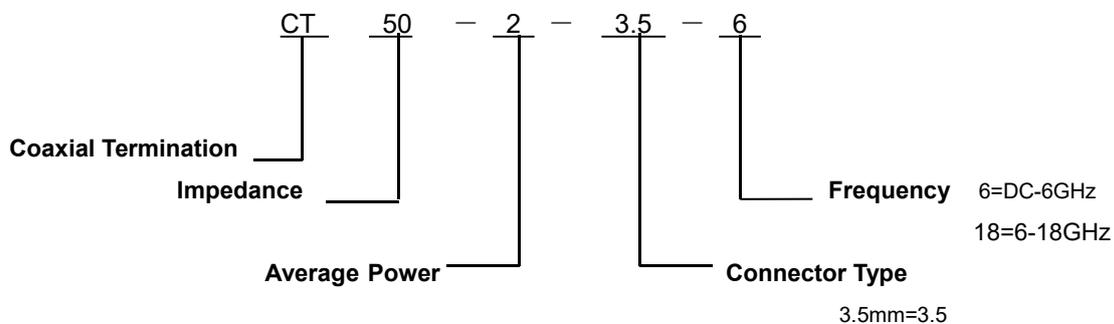
Mechanical Features

- ◇ **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 3.5 mm Connector 2W-100W DC-26.5GHz

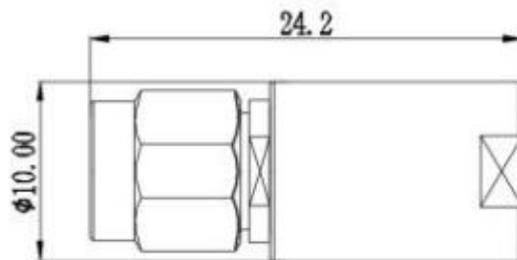
Part Number	Average Power (W)	Frequency Range (GHz)	VSWR (Max.)	Peak Power (KW)	Outline Dimensions (mm)
CT50-2-3.5-6	2	DC-6	1.20	0.1	Φ10x24.2 (M) Φ10x23 (F)
CT50-2-3.5-18	2	6-18	1.25	0.1	
CT50-2-3.5-26.5	2	18-26.5	1.30	0.1	
CT50-5-3.5-6	5	DC-6	1.20	0.2	Φ16.5x26.5 (M) Φ16.5x25.3 (F)
CT50-5-3.5-18	5	6-18	1.25	0.2	
CT50-5-3.5-26.5	5	18-26.5	1.35	0.2	
CT50-10-3.5-6	10	DC-6	1.25	0.2	Φ26x35.5 (M) Φ26x34.3 (F)
CT50-10-3.5-18	10	6-18	1.30	0.2	
CT50-10-3.5-26.5	10	18-26.5	1.35	0.2	
CT50-30-3.5-6	30	DC-6	1.25	0.5	Φ63x35.5(M) Φ63x34.3 (F)
CT50-30-3.5-18	30	6-18	1.30	0.5	
CT50-30-3.5-26.5	30	18-26.5	1.35	0.5	
CT50-50-3.5-6	50	DC-6	1.25	0.5	Φ63x60.4 (M) Φ63x59.2 (F)
CT50-50-3.5-18	50	6-18	1.30	0.5	
CT50-50-3.5-26.5	50	18-26.5	1.35	0.5	
CT50-100-3.5-6	100	DC-6	1.30	1	Φ63x110.7 (M) Φ63x109 (F)
CT50-100-3.5-18	100	6-18	1.35	1	
CT50-100-3.5-26.5	100	18-26.5	1.40	1	

3.5mm, DC-26.5GHz, 2W

Electrical Specifications

- ◇ **Nominal Impedance:** 50Ω
- ◇ **Average Power:** 2W
- ◇ **Peak Power:** 0.1KW (1μs Pulse, 1% Duty Cycle)
- ◇ **Connector Type:** 3.5mm (Male or Female)
- ◇ **Operating Temperature:** -55℃ to +125℃
- ◇ **Dimension:** Φ10x24.2mm (Male), Φ10x23mm (Female)
- ◇ **Net Weight:** 5g
- ◇ **RoHS Compliant**

Outline Drawing (mm)



Part Number	Frequency Range(GHz)	VSWR (Max.)	Peak Power (KW)	Dimension (mm)
CT50-2-3.5-6	DC-6	1.20	0.1KW (1μs Pulse, 1% Duty Cycle)	Φ10x24.2 (M) Φ10x23 (F)
CT50-2-3.5-18	6-18	1.25		
CT50-2-3.5-26.5	18-26.5	1.30		

Notes:

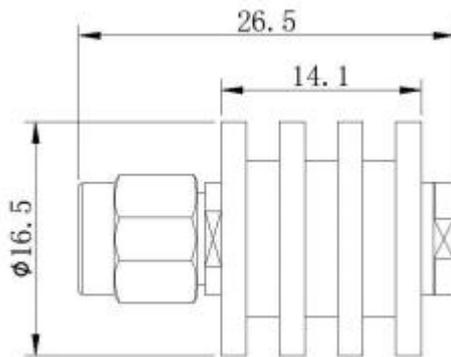
1. The input power should comply with the requirements of the power derating curve.

3.5mm, DC-26.5GHz, 5W

Electrical Specifications

- ◇ **Nominal Impedance:** 50Ω
- ◇ **Average Power:** 5W
- ◇ **Peak Power:** 0.2KW (5μs Pulse, 1% Duty Cycle)
- ◇ **Connector Type:** 3.5mm (Male or Female)
- ◇ **Operating Temperature:** -55℃ to +125℃
- ◇ **Dimension:** Φ16.5x26.5mm (Male), Φ16.5x25.3mm (Female)
- ◇ **Net Weight:** 8.5g
- ◇ **RoHS Compliant**

Outline Drawing (mm)



Part Number	Frequency Range(GHz)	VSWR (Max.)	Peak Power (KW)	Dimension (mm)
CT50-5-3.5-6	DC-6	1.20	0.2KW (5μs Pulse, 1% Duty Cycle)	Φ16.5x26.5 (M) Φ16.5x25.3 (F)
CT50-5-3.5-18	6-18	1.25		
CT50-5-3.5-26.5	18-26.5	1.35		

Notes:

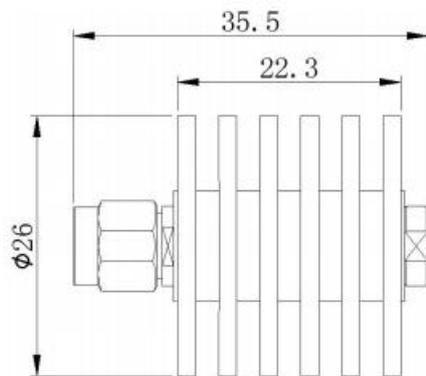
1. The input power should comply with the requirements of the power derating curve.

3.5mm, DC-26.5GHz, 10W

Electrical Specifications

- ◇ **Nominal Impedance:** 50Ω
- ◇ **Average Power:** 10W
- ◇ **Peak Power:** 0.2KW (5μs Pulse, 2% Duty Cycle)
- ◇ **Connector Type:** 3.5mm (Male or Female)
- ◇ **Operating Temperature:** -55℃ to +125℃
- ◇ **Dimension:** Φ26x35.5mm (Male), Φ26x34.3mm (Female)
- ◇ **Net Weight:** 18g
- ◇ **RoHS Compliant**

Outline Drawing (mm)



Part Number	Frequency Range(GHz)	VSWR (Max.)	Peak Power (KW)	Dimension (mm)
CT50-10-3.5-6	DC-6	1.25	0.2KW (5μS Pulse Width, 2% Duty Cycle)	Φ26×35.5 (M) Φ26×34.3 (F)
CT50-10-3.5-18	6-18	1.30		
CT50-10-3.5-26.5	18-26.5	1.35		

Notes:

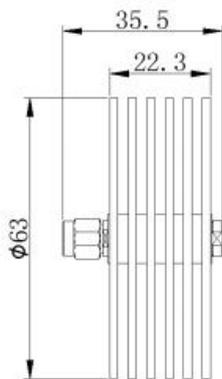
1. The input power should comply with the requirements of the power derating curve.

3.5mm, DC-26.5GHz, 30W

Electrical Specifications

- ◇ **Nominal Impedance:** 50Ω
- ◇ **Average Power:** 30W
- ◇ **Peak Power:** 0.5KW (5μs Pulse, 5% Duty Cycle)
- ◇ **Connector Type:** 3.5mm (Male or Female)
- ◇ **Operating Temperature:** -55℃ to +125℃
- ◇ **Dimension:** Φ63x35.5mm (Male), Φ63x34.3mm (Female)
- ◇ **Net Weight:** 110g
- ◇ **RoHS Compliant**

Outline Drawing (mm)



Part Number	Frequency Range(GHz)	VSWR (Max.)	Peak Power (KW)	Dimension (mm)
CT50-30-3.5-6	DC-6	1.25	0.5KW (5μS Pulse Width, 5% Duty Cycle)	Φ63×35.5 (M) Φ63×34.3 (F)
CT50-30-3.5-18	6-18	1.30		
CT50-30-3.5-26.5	18-26.5	1.35		

Notes:

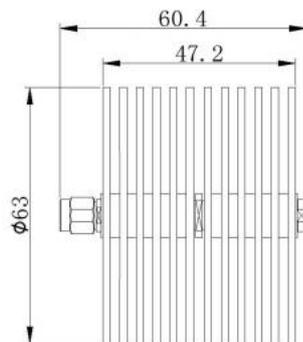
1. The input power should comply with the requirements of the power derating curve.

3.5mm, DC-26.5GHz, 50W

Electrical Specifications

- ◇ **Nominal Impedance:** 50Ω
- ◇ **Average Power:** 50W
- ◇ **Peak Power:** 0.5KW (5μs Pulse, 5% Duty Cycle)
- ◇ **Connector Type:** 3.5mm (Male or Female)
- ◇ **Operating Temperature:** -55℃ to +125℃
- ◇ **Dimension:** Φ63x60.4mm (Male), Φ63x59.2mm (Female)
- ◇ **Net Weight:** 160g
- ◇ **RoHS Compliant**

Outline Drawing (mm)



Part Number	Frequency Range(GHz)	VSWR (Max.)	Peak Power (KW)	Dimension (mm)
CT50-50-3.5-6	DC-6	1.25	0.5KW (5μS Pulse Width, 5% Duty Cycle)	Φ63×60.4 (M) Φ63×59.2 (F)
CT50-50-3.5-18	6-18	1.30		
CT50-50-3.5-26.5	18-26.5	1.35		

Notes:

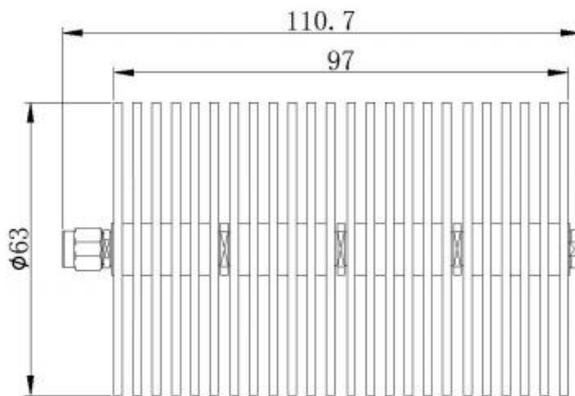
1. The input power should comply with the requirements of the power derating curve.

3.5mm, DC-26.5GHz, 100W

Electrical Specifications

- ◇ **Nominal Impedance:** 50Ω
- ◇ **Average Power:** 100W
- ◇ **Peak Power:** 1KW (5μs Pulse, 10% Duty Cycle)
- ◇ **Connector Type:** 3.5mm (Male or Female)
- ◇ **Operating Temperature:** -55℃ to +125℃
- ◇ **Dimension:** Φ63x110.7mm (Male), Φ63x109mm (Female)
- ◇ **Net Weight:** 380g
- ◇ **RoHS Compliant**

Outline Drawing (mm)



Part Number	Frequency Range(GHz)	VSWR (Max.)	Peak Power (KW)	Dimension (mm)
CT50-100-3.5-6	DC-6	1.30	1KW (5μS Pulse Width, 10% Duty Cycle)	Φ63×110.7 (M) Φ63×109 (F)
CT50-100-3.5-18	6-18	1.35		
CT50-100-3.5-26.5	18-26.5	1.60		

Notes:

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