

2.4mm Coaxial Fixed Attenuators

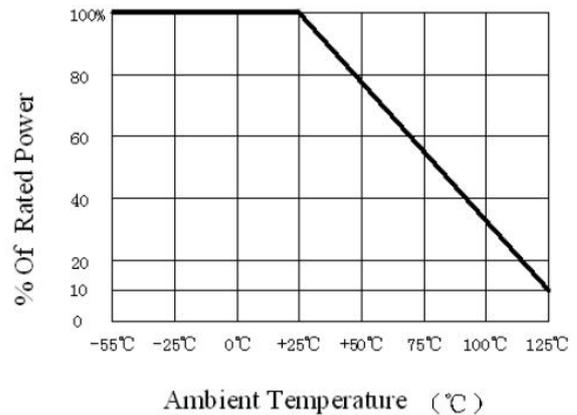
Electrical Features

- ◇ **Nominal Impedance:** 50 Ω
- ◇ **Average Power:** 2W-20W
- ◇ **Frequency Range:** DC-50GHz
- ◇ **Attenuation Value:** 1-40dB
- ◇ **Operating Temperature:** -55℃ to +125℃
- ◇ **Connector Type:** 2.4mm (Male/Female)
- ◇ **RoHS Compliant**

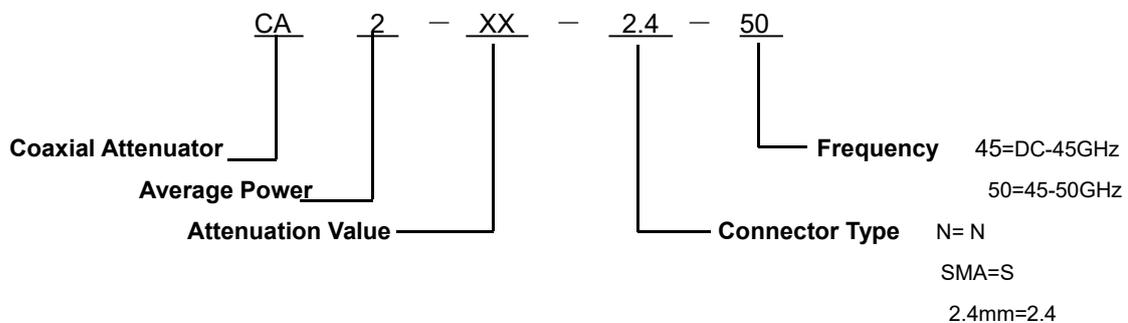
Mechanical Features

- ◇ **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

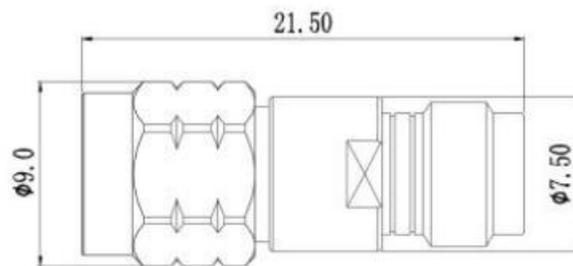
Part Number	Average Power (W)	Frequency Range (GHz)	Attenuation Value (dB)	VSWR (Max.)	Peak Power (KW)	Outline Dimensions (mm)
CA2-XX-2.4-45	2	DC-45	1-9, 10, 20, 30	1.50	0.1	Φ9.0x21.5
CA2-XX-2.4-50	2	45-50	1-9, 10, 20, 30	1.65	0.1	Φ9.0x21.5
CA5-XX-2.4-26.5	5	DC-26.5	1-9, 10, 20, 30, 40	1.35	0.1	Φ38x30.9
CA5-XX-2.4-40	5	26.5-40	1-9, 10, 20, 30, 40	1.45	0.1	Φ38x30.9
CA5-XX-2.4-50	5	40-50	1-9, 10, 20, 30, 40	1.55	0.1	Φ38x30.9
CA10-XX-2.4-26.5	10	DC-26.5	10, 20, 30, 40	1.25	0.2	Φ38x46.5
CA10-XX-2.4-40	10	26.5-40	10, 20, 30, 40	1.40	0.2	Φ38x46.5
CA10-XX-2.4-50	10	40-50	10, 20, 30, 40	1.60	0.2	Φ38x46.5
CA20-XX-2.4-26.5	20	DC-26.5	10, 20, 30, 40	1.30	0.2	Φ38x77.3
CA20-XX-2.4-40	20	26.5-40	10, 20, 30, 40	1.40	0.2	Φ38x77.3
CA20-XX-2.4-50	20	40-50	10, 20, 30, 40	1.65	0.2	Φ38x77.3

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/Female)
- ◇ **Operating Temperature:** -55℃ to +125℃
- ◇ **Dimension:** Φ9.0x21.5mm
- ◇ **Net Weight:** 5g
- ◇ **RoHS Compliant**

Outline Drawing (mm)



Part Number	Frequency Range(GHz)	Attenuation Value & Accuracy (dB)				VSWR (Max.)
		1-9	10	20	30	
CA2-XX-2.4-45	DC-45	±1.0	-1.0/+1.5	-1.0/+1.5	-1.0/+1.5	1.50
CA2-XX-2.4-50	45-50	±1.0	-1.0/+1.5	-1.0/+1.5	-1.0/+1.5	1.65

* xx refer to attenuator value in dB.

Notes:

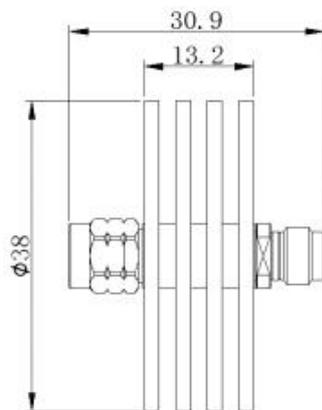
1. The coaxial fixed attenuator must pay attention to the power input direction.
2. Input power shall meet the requirements of the power derating.

2.4mm, DC-50GHz, 5W

Electrical Specifications

- ◇ **Nominal Impedance:** 50Ω
- ◇ **Average Power:** 5W
- ◇ **Peak Power:** 0.1KW (1μs Pulse, 1% Duty Cycle)
- ◇ **Connector Type:** 2.4mm (Male/Female)
- ◇ **Operating Temperature:** -55℃ to +125℃
- ◇ **Dimension:** Φ38x30.9mm
- ◇ **Net Weight:** 20g
- ◇ **RoHS Compliant**

Outline Drawing (mm)



Part Number	Frequency Range(GHz)	Attenuation Value & Accuracy (dB)					VSWR (Max.)
		1-9	10	20	30	40	
CA5-XX-2.4-26.5	DC-26.5	±1.0	-1.0/+1.5	-1.0/+1.5	-1.2/+1.5	-1.2/+1.0	1.35
CA5-XX-2.4-40	26.5-40	±1.0	-1.0/+1.5	-1.0/+1.5	-1.2/+1.5	-1.0/+2.0	1.45
CA5-XX-2.4-50	40-50	±1.5	-1.5/+2.0	-1.5/+2.0	-1.5/+2.0	-1.5/+2.5	1.55

* xx refer to attenuator value in dB.

Notes:

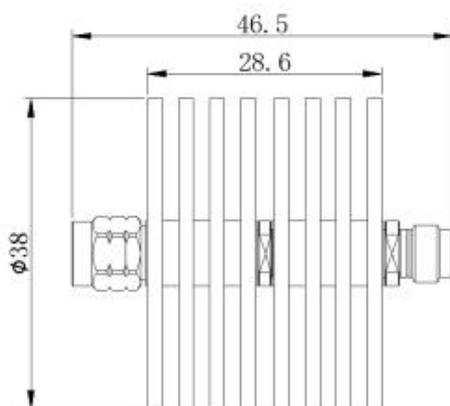
1. The coaxial fixed attenuator must pay attention to the power input direction.
2. Input power shall meet the requirements of the power derating.

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/Female)
- ✧ **Operating Temperature:** -55℃ to +125℃
- ✧ **Dimension:** Φ38x46.5mm
- ✧ **Net Weight:** 40g
- ✧ **RoHS Compliant**

Outline Drawing (mm)



Part Number	Frequency Range(GHz)	Attenuation Value & Accuracy (dB)				VSWR (Max.)
		10	20	30	40	
CA10-XX-2.4-26.5	DC-26.5	±1.0	±1.0	±1.0	±1.0	1.25
CA10-XX-2.4-40	26.5-40	-1.0/+2.0	-1.0/+1.5	-1.0/+1.5	-1.0/+2.5	1.40
CA10-XX-2.4-50	40-50	-1.0/+2.5	-1.0/+2.0	-1.0/+2.0	-1.0/+3.0	1.60

* xx refer to attenuator value in dB.

Notes:

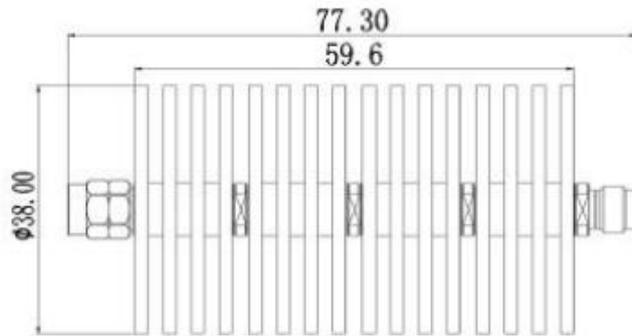
1. The coaxial fixed attenuator must pay attention to the power input direction.
2. Input power shall meet the requirements of the power derating.

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/Female)
- ✧ **Operating Temperature:** -55℃ to +125℃
- ✧ **Dimension:** Φ38x77.3mm
- ✧ **Net Weight:** 80g
- ✧ **RoHS Compliant**

Outline Drawing (mm)



Part Number	Frequency Range(GHz)	Attenuation Value & Accuracy (dB)				VSWR (Max.)
		10	20	30	40	
CA20-XX-2.4-26.5	DC-26.5	-1.0/+2.0	-1.0/+2.0	-1.0/+2.0	-1.0/+2.0	1.30
CA20-XX-2.4-40	26.5-40	-1.5/+3.0	-1.5/+2.5	-1.5/+2.5	-1.5/+2.5	1.40
CA20-XX-2.4-50	40-50	-2.0/+3.0	-2.0/+3.0	-2.0/+3.0	-2.0/+3.0	1.65

* xx refer to attenuator value in dB.

Notes:

1. The coaxial fixed attenuator must pay attention to the power input direction.
2. Input power shall meet the requirements of the power derating.