

3.5mm Coaxial Fixed Attenuators

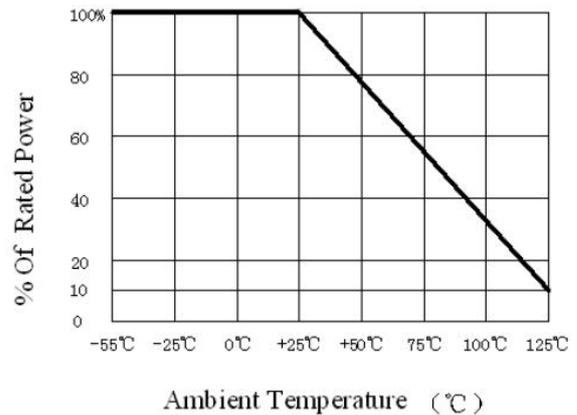
Electrical Features

- ◇ **Nominal Impedance:** 50 Ω
- ◇ **Average Power:** 2W-100W
- ◇ **Frequency Range:** DC-26.5GHz
- ◇ **Attenuation Value:** 1-60dB
- ◇ **Operating Temperature:** -55 $^{\circ}$ C to +125 $^{\circ}$ C
- ◇ **Connector Type:** 3.5mm (Male/Female)
- ◇ **RoHS Compliant**

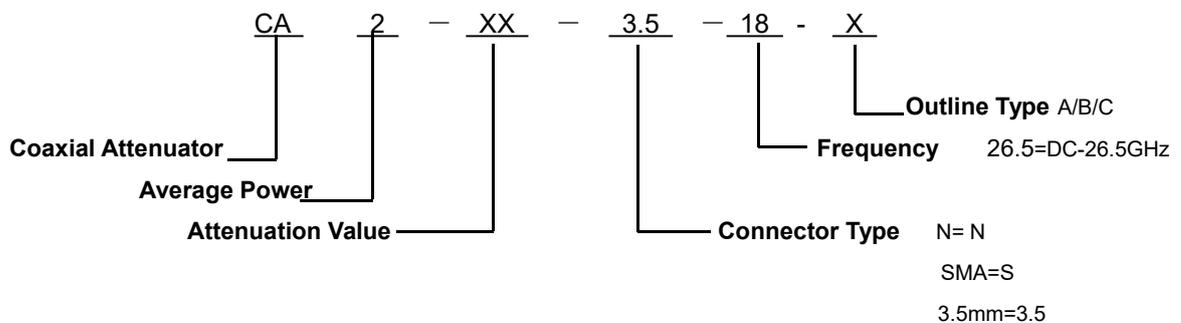
Mechanical Features

- ◇ **Housing:** Aluminum
- ◇ **Connectors:** Brass Plated Nickel
- ◇ **Male Pin:** Brass Plated Gold
- ◇ **Female Pin:** Beryllium Copper Plated Gold
- ◇ **Mechanical Tolerance:** \pm 5%
- ◇ **Packaging:** Box

Power Derating



HOW TO ORDER



General Specifications for 3.5 mm Connector 2W-100W DC-26.5GHz

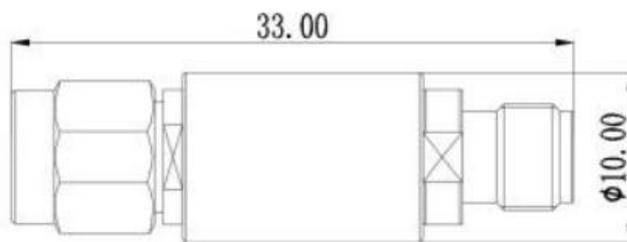
Part Number	Average Power (W)	Frequency Range (GHz)	Attenuation Value (dB)	VSWR (Max.)	Peak Power (KW)	Outline Dimensions (mm)
CA2-XX-3.5-26.5	2	DC-26.5	1-9, 10, 20, 30, 40	1.25	0.1	Φ10x33
CA5-XX-3.5-26.5	5	DC-26.5	1-9, 10-19, 20-30, 40, 50, 60	1.25	0.5	Φ16.5x33
CA10-XX-3.5-26.5	10	DC-26.5	1-9, 10-19, 20-30, 40, 50, 60	1.25	0.5	Φ26x42
CA25-XX-3.5-26.5	25	DC-26.5	1-9, 10-19, 20-30, 40, 50, 60	1.30	1	Φ63x42
CA50-XX-3.5-26.5	50	DC-26.5	1-9, 10-19, 20-30, 40, 50, 60	1.35	1	Φ63x67
CA100-XX-3.5-26.5	100	DC-26.5	3, 6, 10, 20, 30, 40, 50	1.40	1	Φ63x117

3.5mm, DC-26.5GHz, 2W

Electrical Specifications

- ◇ **Nominal Impedance:** 50 Ω
- ◇ **Average Power:** 2W
- ◇ **Peak Power:** 0.1KW (5μs Pulse, 2% Duty Cycle)
- ◇ **Connector Type:** 3.5mm (Male/Female)
- ◇ **Operating Temperature:** -55℃ to +125℃
- ◇ **Dimension:** Φ10x33mm
- ◇ **Net Weight:** 9g
- ◇ **RoHS Compliant**

Outline Drawing (mm)



Part Number	Frequency Range(GHz)	Attenuation Value & Accuracy (dB)					VSWR (Max.)
		1-9	10	20	30	40	
CA2-XX-3.5-26.5	DC-26.5	±0.8	±0.8	-0.6/+1.0	-0.8/+1.5	±1.0	1.25

* xx refer to attenuator value in dB.

Notes:

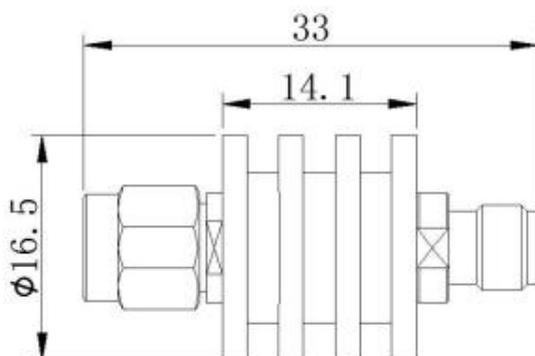
1. The coaxial fixed attenuator must pay attention to the power input direction.
2. Input power shall meet the requirements of the power derating.

3.5mm, DC-26.5GHz, 5W

Electrical Specifications

- ◇ **Nominal Impedance:** 50 Ω
- ◇ **Average Power:** 5W
- ◇ **Peak Power:** 0.5KW (5μs Pulse, 1% Duty Cycle)
- ◇ **Connector Type:** 3.5mm (Male/Female)
- ◇ **Operating Temperature:** -55℃ to +125℃
- ◇ **Dimension:** Φ16.5x33mm
- ◇ **Net Weight:** 10.2g
- ◇ **RoHS Compliant**

Outline Drawing (mm)



Part Number	Frequency Range (GHz)	Attenuation Value & Accuracy (dB)						VSWR (Max.)
		1-9	10-19	20-30	40	50	60	
CA5-XX-3.5-26.5	DC-26.5	±1.0	-0.5/+1.2	-0.5/+1.2	-0.5/+1.2	-0.5/+1.5	-0.5/+1.5	1.25

* xx refer to attenuator value in dB.

Notes:

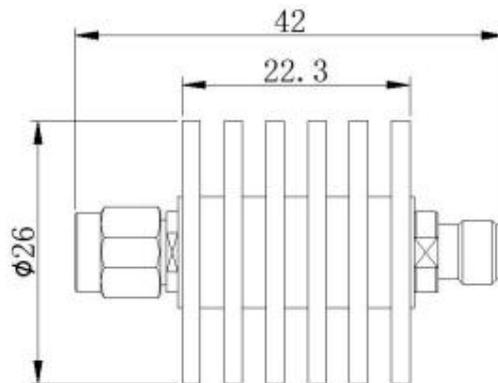
1. The coaxial fixed attenuator must pay attention to the power input direction.
2. Input power shall meet the requirements of the power derating.

3.5mm, DC-26.5GHz, 10W

Electrical Specifications

- ◇ **Nominal Impedance:** 50 Ω
- ◇ **Average Power:** 10W
- ◇ **Peak Power:** 0.5KW (5 μ s Pulse, 2% Duty Cycle)
- ◇ **Connector Type:** 3.5mm (Male/Female)
- ◇ **Operating Temperature:** -55 $^{\circ}$ C to +125 $^{\circ}$ C
- ◇ **Dimension:** Φ 26x42mm
- ◇ **Net Weight:** 20g
- ◇ **RoHS Compliant**

Outline Drawing (mm)



Part Number	Frequency Range(GHz)	Attenuation Value & Accuracy (dB)						VSWR (Max.)
		1-9	10-19	20-30	40	50	60	
CA10-XX-3.5-26.5	DC-26.5	\pm 1.0	-0.5/+1.2	-0.5/+1.2	-0.5/+1.2	-0.5/+1.5	-0.5/+1.5	1.25

* xx refer to attenuator value in dB.

Notes:

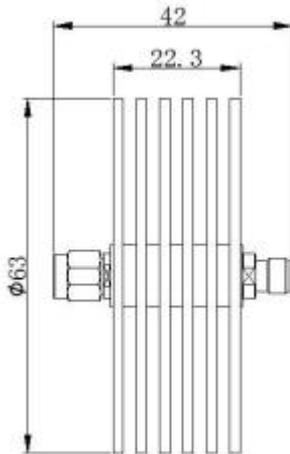
1. The coaxial fixed attenuator must pay attention to the power input direction.
2. Input power shall meet the requirements of the power derating.

3.5mm, DC-26.5GHz, 25W

Electrical Specifications

- ◇ **Nominal Impedance:** 50 Ω
- ◇ **Average Power:** 25W
- ◇ **Peak Power:** 1KW (5μs Pulse, 2.5% Duty Cycle)
- ◇ **Connector Type:** 3.5mm (Male/Female)
- ◇ **Operating Temperature:** -55℃ to +125℃
- ◇ **Dimension:** Φ63x42mm
- ◇ **Net Weight:** 150g
- ◇ **RoHS Compliant**

Outline Drawing (mm)



Part Number	Frequency Range (GHz)	Attenuation Value & Accuracy (dB)						VSWR (Max.)
		1-9	10-19	20-30	40	50	60	
CA25-XX-3.5-26.5	DC-26.5	-1.5/+2.5			-1.5/+2.5			1.30

* xx refer to attenuator value in dB.

Notes:

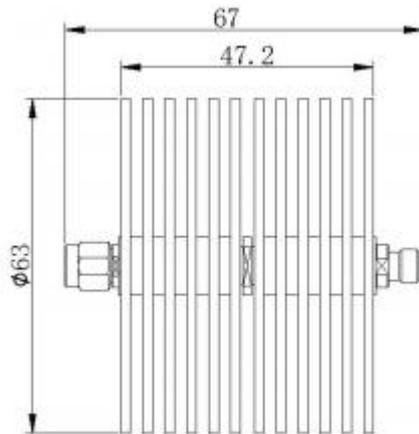
1. The coaxial fixed attenuator must pay attention to the power input direction.
2. Input power shall meet the requirements of the power derating.

3.5mm, DC-26.5GHz, 50W

Electrical Specifications

- ◇ **Nominal Impedance:** 50 Ω
- ◇ **Average Power:** 50W
- ◇ **Peak Power:** 1KW (5μs Pulse, 5% Duty Cycle)
- ◇ **Connector Type:** 3.5mm (Male/Female)
- ◇ **Operating Temperature:** -55℃ to +125℃
- ◇ **Dimension:** Φ63x67mm
- ◇ **Net Weight:** 180g
- ◇ **RoHS Compliant**

Outline Drawing (mm)



Part Number	Frequency Range(GHz)	Attenuation Value & Accuracy (dB)						VSWR (Max.)
		1-9	10-19	20-30	40	50	60	
CA50-XX-3.5-26.5	DC-26.5	-1.5/+2.5			-1.5/+2.5			1.35

* xx refer to attenuator value in dB.

Notes:

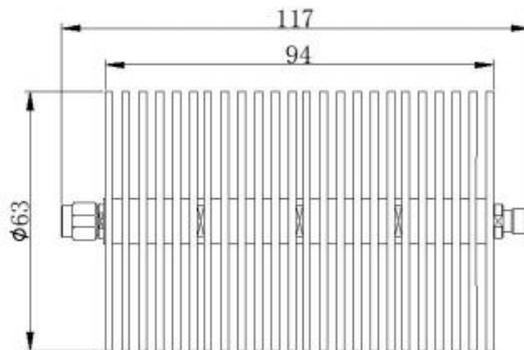
1. The coaxial fixed attenuator must pay attention to the power input direction.
2. Input power shall meet the requirements of the power derating.

3.5mm, DC-26.5GHz, 100W

Electrical Specifications

- ◇ **Nominal Impedance:** 50 Ω
- ◇ **Average Power:** 100W
- ◇ **Peak Power:** 1KW (5μs Pulse, 10% Duty Cycle)
- ◇ **Connector Type:** 3.5mm (Male/Female)
- ◇ **Operating Temperature:** -55℃ to +125℃
- ◇ **Dimension:** Φ63x117mm
- ◇ **Net Weight:** 386g
- ◇ **RoHS Compliant**

Outline Drawing (mm)



Part Number	Frequency Range(GHz)	Attenuation Value & Accuracy (dB)						VSWR (Max.)	
		3	6	10	20	30	40		50
CA100-XX-3.5-26.5	DC-26.5	-1.5/+3.0			-1.0/+2.5		-1.0/+3.0		1.40

* 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.