

2.92 Coaxial Fixed Attenuators

Electrical Features

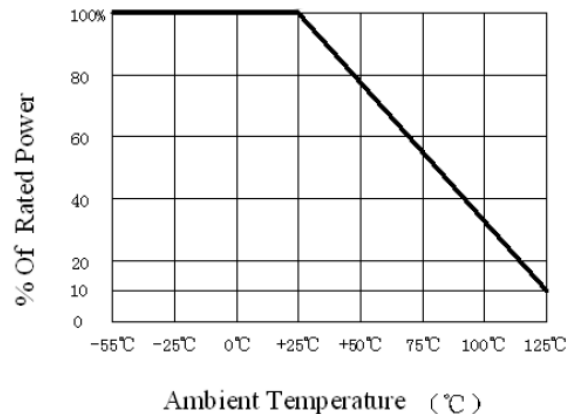
- ◇ **Nominal Impedance:** 50 Ω
- ◇ **Power Rating:** 2W
- ◇ **Frequency Range:** DC-40GHz
- ◇ **Attenuation Value:** 1-30dB
- ◇ **Normal Attenuation Accuracy:**
 - 0.5-15dB -1.0/+1.5dB
 - 20/30dB ±1.5dB
- ◇ **Operating Temperature:** -55°C to +125°C
- ◇ **Connector Type:** 2.92 (Male/Female)



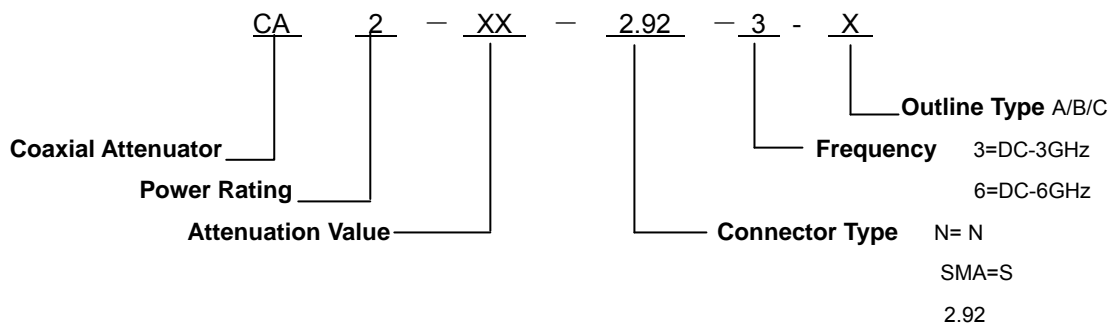
Mechanical Features

- ◇ **Housing:** Aluminum
- ◇ **Connectors:** Brass Nickel Plated
- ◇ **Male Pin:** Brass Gold Plated
- ◇ **Female Pin:** Beryllium Copper Gold Plated
- ◇ **Mechanical Tolerance:** ±2%
- ◇ **Packaging:** Box
- ◇ **RoHS Compliant**

Power Derating



HOW TO ORDER



General Specifications for 2.92 mm Connector 2W DC-40GHz

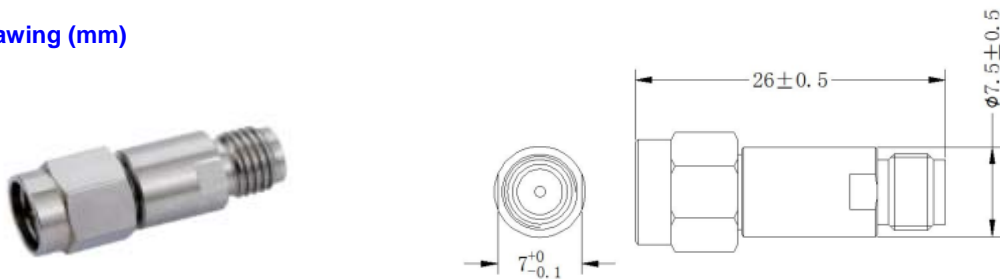
Part Number	Rated Power(W)	Frequency Rang (GHz)	Attenuation Value (dB)	VSWR (Max.)	Dimensions (mm)
CA2-XX-2.92-40	2	DC-40	0.5-15, 20, 30	1.30 :1 @ DC-31.5GHz 1.35 :1 @ 31.5-40GHz	Φ 7.5x26

2.92, DC-40GHz, 2W

Electrical Specifications

- ◇ **Nominal Impedance:** 47-52.5 Ω
- ◇ **Power Rating:** 2W
- ◇ **Connector Type:** 2.92 (Male/Female)
- ◇ **Operating Temperature:** -55°C to +125°C
- ◇ **Dimension:** $\Phi 7.5 \times 26 \text{mm}$
- ◇ **Net Weight:** 6g
- ◇ **RoHS Compliant**

Outline Drawing (mm)



Part Number	Frequency Range(GHz)	Attenuation Value & Accuracy (dB)		Peak Power (W)	VSWR
		0.5 -15	20/30		
CA2-XX-2.92-40	DC-40	-1.0/+1.5	± 1.5	50W (1 μ S pulse width, 1% duty cycle)	1.30 :1 @ DC-31.5GHz 1.35 :1 @ 31.5-40GHz

* 0.5 -15dB: increase progressively with 0.5dB.

* 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. General peak power 10 times rated power (1 μ s pulse width, 1% duty cycle).