

# Fixed Coaxial Attenuators Models 3330A & 3331A

**RoHS**

General Purpose, Subminiature SMA

**dc to 18.0 GHz  
2 Watts**

## Features

- **Low Cost:** These general purpose attenuators offer subminiature size, broadband frequency response, and attenuation values from 1 to 30 dB at low, competitive prices.
- **Two Configurations** - Round body Model 3330A and a hex body Model 3331A.
- Ideal for Bulk Quantity Requirements.

## Specifications

**Nominal Impedance:** 50 Ω

**Frequency Range:** Model: dc to 18.0 GHz

### Maximum Deviation Over Frequency:

Nominal ATTN (dB)	Deviation (dB)
0-6	± 0.30
7-10, 20	± 0.50
30	± 0.75

### Maximum SWR:

Frequency (GHz)	SWR
dc - 4	1.15
4 - 12.4	1.30
12.4 - 18.0	1.40

**Power Rating:** 2 watts average to 25°C ambient temperature, derated linearly to 0.5 watts @ 125°C. 250 watts peak (5 μsec pulse width; 0.4% duty cycle).

**Power Coefficient:** <0.005 dB/dB/Watt

**Temperature Range:** -55 °C to +125 °C

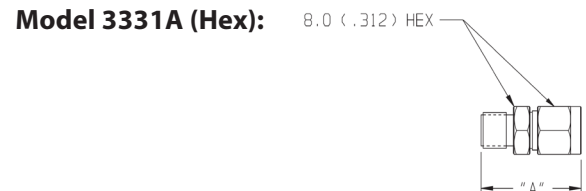
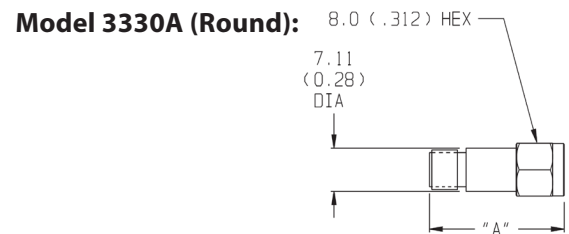
**Connectors:** SMA connectors per MIL-STD-348 inter-face dimensions mate nondestructively with MIL-C-39012 connectors.

**Construction:** Passivated stainless steel body and connectors; gold plated beryllium copper contacts.



**Weight:** 5.6 g (0.2 oz) maximum (Both models)

### Physical Dimensions:



dB VALUE	DIM A
1 - 10	21.72 ± 0.51 (0.855 ± 0.020)
20, 30	25.02 ± 0.51 (0.985 ± 0.020)

**NOTE:** All dimensions are given in mm (inches) and are maximum, unless otherwise specified.

### Model Number Description:

Example: **3330A - XX**

Basic Model Number      Attenuation Value (dB)