

## Model 4H

### Hex Body Precision SMA Connectors

DC to 18.6 GHz  
2 Watts



### Features

- /// **Subminiature** - These attenuators offer the smallest package size with broadband frequency response, and attenuation values from 0 to 10, 12, 15, 20 & 30 dB.
- /// **Designed to meet environmental requirements of MIL-DTL-3933.**
- /// **Precision SMA Connectors.**
- /// **Usable to 23 GHz.**

### Specifications

**NOMINAL IMPEDANCE:** 50  $\Omega$

**FREQUENCY RANGE:** DC to 18.6 GHz

#### MAXIMUM DEVIATION OVER FREQUENCY:

Nominal ATTN (dB)	Deviation (dB)
0	$\pm 0.40$
1-10	$\pm 0.30$
12, 15, 20, 30	$\pm 0.70$

#### MAXIMUM SWR:

Frequency (GHz)	SWR
DC - 12.4	1.25
12.4 - 18.6	1.35

**POWER RATING:** 2 watts **average** to 25°C ambient temperature, derated linearly to 0.5 watts @ 125°C. 250 watts **peak** (5  $\mu$ sec pulse width; 0.4% duty cycle).

**POWER COEFFICIENT:** < 0.005 dB/dB/watt

**TEMPERATURE COEFFICIENT:** < 0.0004 dB/dB/°C

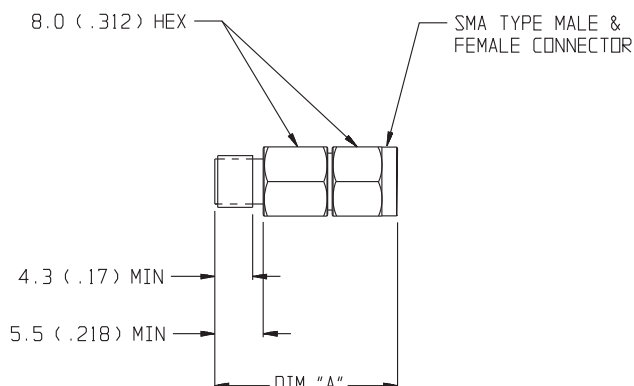
**TEMPERATURE RANGE:** -50°C to +125°C

**CONNECTORS:** SMA connectors per MIL-STD-348 interface dimensions mate nondestructively with MIL-C-39012 connectors.

**CONSTRUCTION:** Stainless steel body and connectors; gold plated beryllium copper contacts.

**WEIGHT:** 5.0 g (0.18 oz) maximum

#### PHYSICAL DIMENSIONS:



dB VALUE	DIM A
0-10	19.0 (0.75)
12, 15, 20	21.6 (0.85)
30	24.0 (0.95)

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

#### MODEL NUMBER DESCRIPTION:

Example:

