

Model 9 Fixed Coaxial Attenuators

dc to 26.5 GHz
2 Watts

Ruggedized SMA Connectors



Features

- /// Designed to meet environmental requirements of MIL-A-3933.
- /// Ruggedized SMA Connectors.
- /// Usable to 30 GHz.

Specifications

NOMINAL IMPEDANCE: 50 Ω

FREQUENCY RANGE: dc to 26.5 GHz

MAXIMUM DEVIATION OVER FREQUENCY:

Nominal ATTN (dB)	Deviation (dB)
3	± 0.50
6	± 0.60
10	± 0.80
20, 30	± 1.00

MAXIMUM SWR:

Frequency (GHz)	SWR
dc - 4	1.15
4 - 8	1.20
8 - 12.4	1.25
12.4 - 18	1.35
18 - 26.5	1.60

POWER RATING: 2 watts **average** to 25°C ambient temperature, derated linearly to 1 watts at 75°C, 0 watts at 125°C. 500 watts **peak** (5 μ sec pulse width; 0.2% duty cycle).

POWER COEFFICIENT: < 0.005 dB/dB/watts

TEMPERATURE COEFFICIENT: < 0.0004 dB/dB/°C

TEMPERATURE RANGE: -55 °C to +125°C

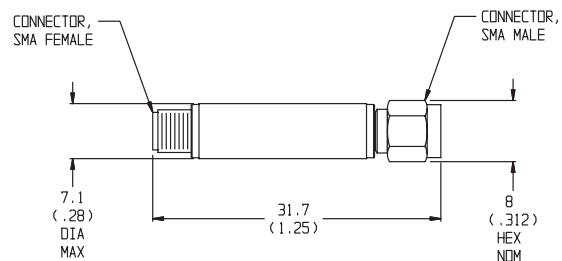
CALIBRATION: Insertion Loss and SWR Testing performed across frequency range. Test data available at additional cost.

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

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

WEIGHT: 4 g (0.14 oz) maximum

PHYSICAL DIMENSIONS:



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

MODEL NUMBER DESCRIPTION:

Example:

***9 - XX**
 Basic Model Number Attenuation Value (dB)

*Add Prefix M for double male and F for double female connectors.

CALIBRATED ATTENUATOR SET (AS-19): Model 9 is also available in a Calibrated Attenuator Set which includes four different attenuators (3, 6, 10, 20 dB). Refer to Calibrated Attenuator Sets data sheet for more information.