

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 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

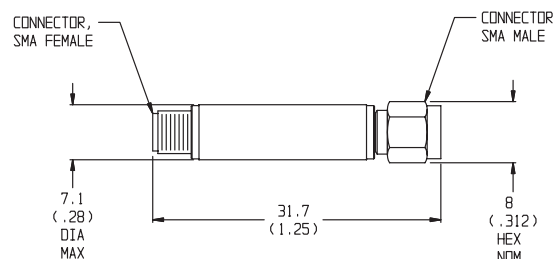
CALIBRATION: Insertion Loss and SWR Testing performed across frequency range. Test data available at additional cost.

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.