



Model 79 High Power Fixed Coaxial Attenuators

dc to 5.0 GHz
150 Watts

7/16 Connectors!



Features

- Optimized for Wireless OEM & Test Applications.
- Low Intermodulation Design.
- Designed to meet environmental requirements of MIL-A-3933.

Specifications

NOMINAL IMPEDANCE: 50 Ω

FREQUENCY RANGE: dc to 5.0 GHz

MAXIMUM DEVIATION OVER FREQUENCY:

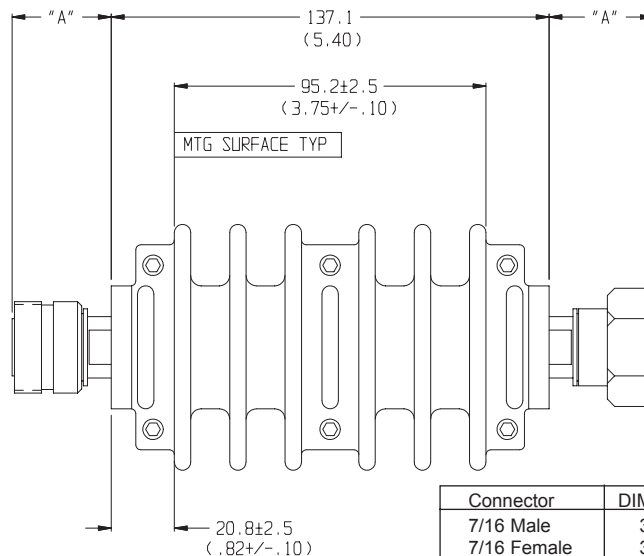
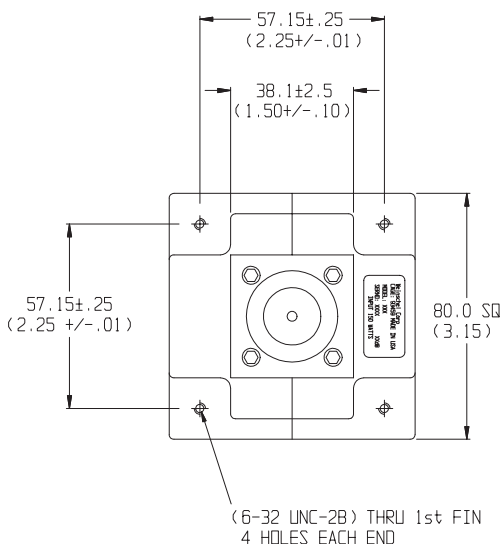
Nominal ATTN (dB)	Deviation (dB)
10, 20	± 0.90
30	± 1.25

MAXIMUM SWR:

Frequency (GHz)	SWR
dc - 3	1.20
3 - 5	1.35

3rd ORDER INTERMODULATION: Reflected Levels (IM3), -100 & Through Levels (IM3), -110 dBc with two input signals @ 869 MHz and 891 MHz with average carrier power levels of +43 dBm each.

PHYSICAL DIMENSIONS:



Connector	DIM A +0.8 (0.3)
7/16 Male	32.3 (1.27)
7/16 Female	30.7 (1.21)

POWER RATING (mounted horizontally): 150 watts **average (unidirectional)** to 25°C ambient temperature, derated linearly to 15 watts @ 125°C. Note: 3 dB model can handle 300 Watts **average** derated linearly to 30 watts @ 125°C. 10 kilowatt **peak** (5 μ sec pulse width; 0.75% duty cycle). Maximum power rating into output port is 20 watts average.

POWER COEFFICIENT: <0.0001 dB/dB/watt

TEMPERATURE COEFFICIENT: <0.0004 dB/dB/°C

TEMPERATURE RANGE: -55°C to 125°C

CALIBRATION: Insertion loss test data supplied at 0.05, 1.0, 2.0, 3.0, 4.0 and 5.0 GHz. Other test data can be provided at additional cost.

CONNECTORS: 7/16 connector that conforms to DIN 47223, IEC 169-4, VG 95250, CECC 22 190.

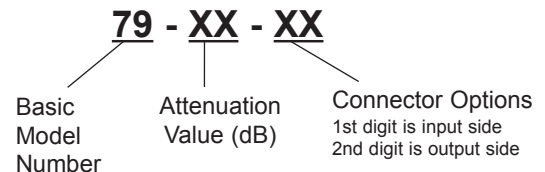
Connector Options	Type/Description
1	7/16 Female
2	7/16 Male

CONSTRUCTION: Black, finned aluminum body, silver plated brass connectors.

WEIGHT: 1,248 g (2.75 lbs.) maximum

MODEL NUMBER DESCRIPTION:

Example:



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