

Model 82 High Power Coaxial Attenuator

dc to 3.0 GHz
1,000 Watts

Type N Connectors



Features

- Quality connectors with special high temperature support beads.
- Designed to meet environmental requirements of MIL-A-3933.

Specifications

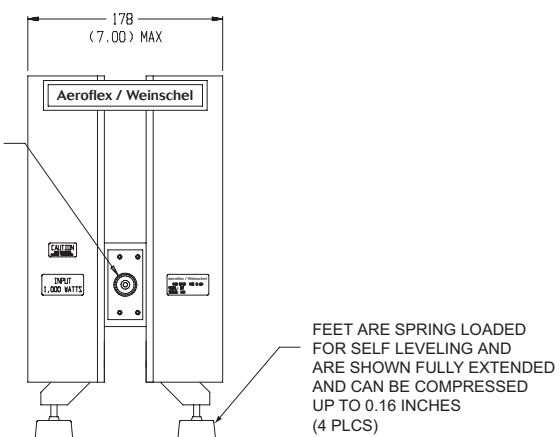
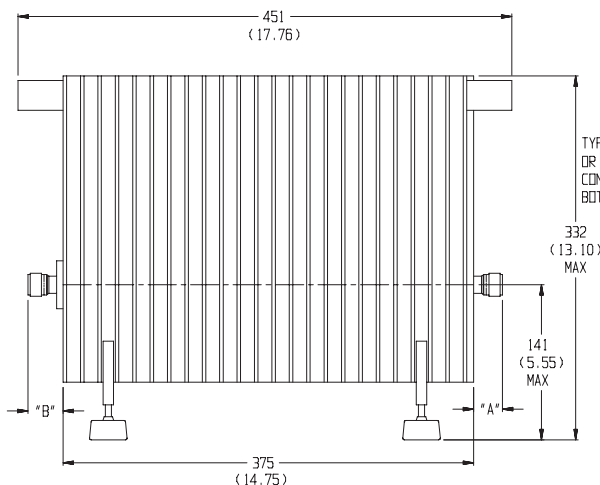
NOMINAL IMPEDANCE: 50 Ω

FREQUENCY RANGE: dc to 3.0 GHz

MAXIMUM DEVIATION OVER FREQUENCY (dB):		
NOM ATTN (dB)	Deviation	
	dc - 1.5 GHz	1.5 - 3.0 GHz
10, 20, 30, 40	±0.75	+1.5, -0.5 dB

MAXIMUM SWR:	
Frequency (GHz)	SWR
dc - 1.5	1.15
1.5 - 3.0	1.25

PHYSICAL DIMENSIONS:



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

POWER RATING (assuming unobstructed air flow and natural convection around unit): 1,000 watts **average** (unidirectional) to 25°C ambient temperature, derated linearly to 100 watts @ 125°C. 10 kilowatt **peak** (5 μsec pulse width; 5% duty cycle). Maximum power into output is 75 Watts **average**.

POWER COEFFICIENT: <0.0001 dB/dB/Watt

TEMPERATURE COEFFICIENT: <0.0004 dB/dB/°C

TEMPERATURE RANGE: -55°C to +125°C with power derating applied.

TEST DATA: Insertion Loss and SWR measurements performed across frequency range. Test data supplied at additional cost.

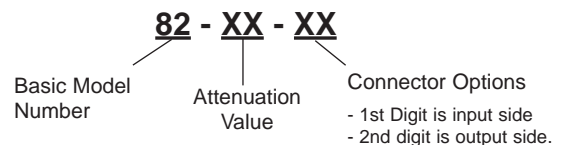
CONNECTOR: Type N connectors - mate nondestructively with MIL-C-39012 connectors .

Options	Type/Description
3	Type N, Female
4	Type N, Male

CONSTRUCTION: Black, finned aluminum body, stainless steel or silver plated brass connectors with gold plated beryllium copper or stainless steel N male contacts.

WEIGHT: Net 12.10 kg (34 lbs) maximum

MODEL NUMBER DESCRIPTION:



Connector Type	DIM A	DIM B
N female	15.0 (0.59)	21.4 (0.84)
N male	22.9 (0.90)	29.3 (1.15)