

Fixed Coaxial Attenuators Model 82

High Power, N Connectors

Features

- Quality connectors with special high temperature support beads.
- Designed to meet environmental requirements of MIL-DTL-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	+1.0, -2.0	+1.5, -1.0 dB

Maximum Input SWR:

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

Power Rating: 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**.

Temperature Coefficient: <0.0004 dB/dB/°C

Temperature Range: -55°C to +125°C with power derating applied.

RoHS

**dc to 3.0 GHz
1,000 Watts**



Test Data: Swept data plots of attenuation and SWR from 50 MHz to 3.0 GHz is available at additional cost.

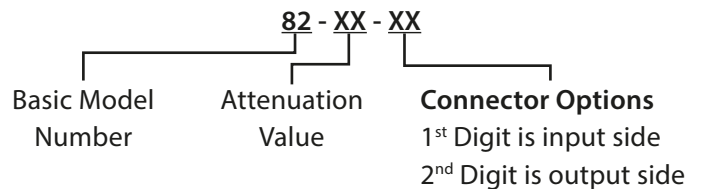
Connector: Type N connectors - mate nondestructively with MIL-C-39012 connectors

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

Construction: Black, finned aluminum body, stainless steel with gold plated beryllium copper contacts.

Weight: Net 13.6 kg (30 lbs) Nominal

Model Number Description:



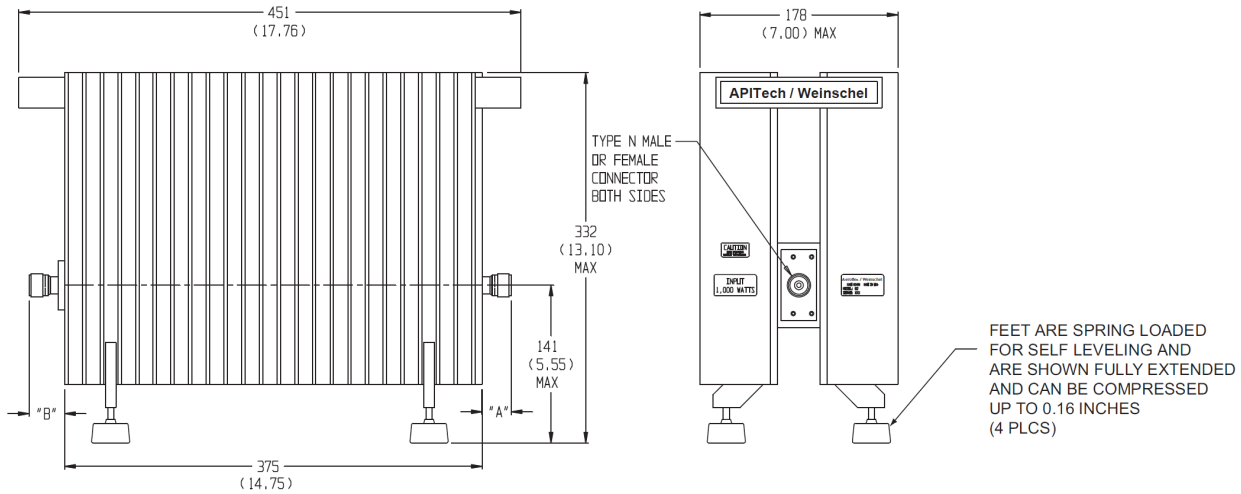
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Physical Dimensions



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)

Notes:

1. All dimensions are given in mm (inches) and are maximum, unless otherwise specified.
2. Unit available with RoHS compliant materials, specify when ordering.