

## Model 82 High Power, N Connectors

dc to 3.0 GHz  
1,000 Watts



### Features

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

### Specifications

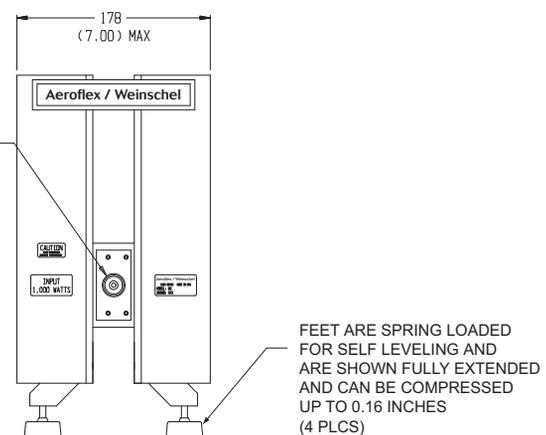
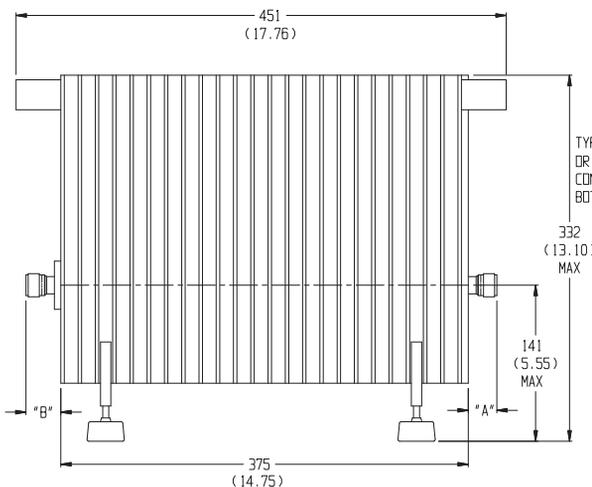
**NOMINAL IMPEDANCE:** 50 Ω

**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	+1.5, -1.0 dB

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

### PHYSICAL DIMENSIONS:



**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.

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

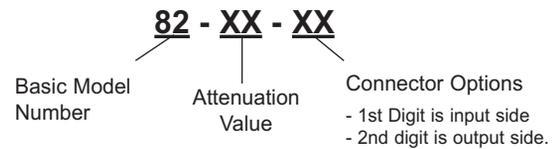
**CONNECTOR:** Type N connectors - mate nondestructively with MIL-C-39012 connectors .

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 kg (28.7 lbs) maximum

### MODEL NUMBER DESCRIPTION:



**NOTE:**

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

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)