

## Model 1456 High Power, N Connectors Convection Cooled

dc to 3.0 GHz  
 1,000 Watts



### Features

- /// Quality Type N connectors with special high temperature support beads.
- /// Designed to meet environmental requirements of MIL-D-39030.

### Specifications

**NOMINAL IMPEDANCE:** 50 Ω

**FREQUENCY RANGE:** dc to 3.0 GHz

#### MAXIMUM SWR:

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

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

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

**TEST DATA:** Swept data plots of SWR from 50 MHz to 3 GHz is available at additional cost.

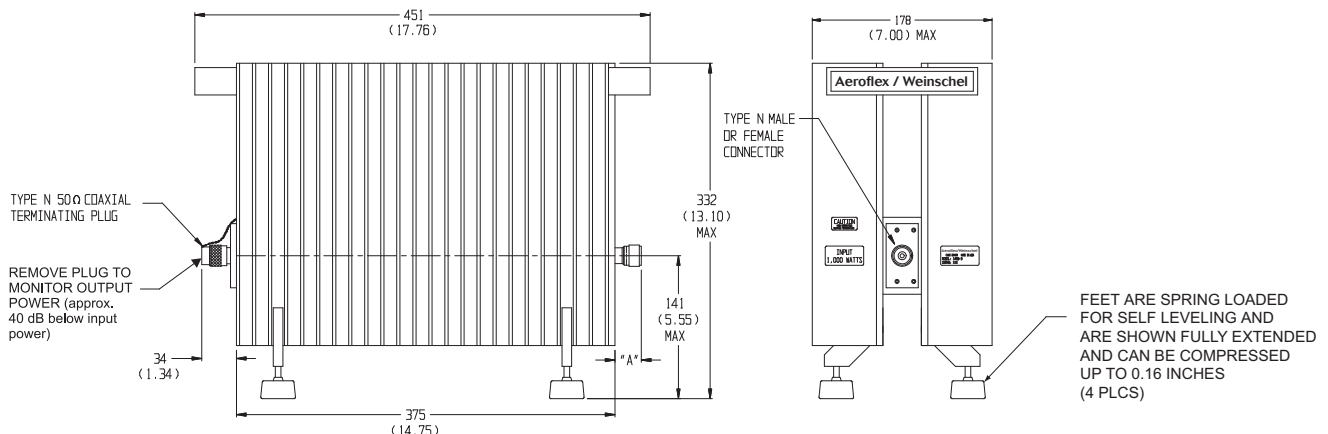
**CONNECTOR:** Type N connectors - mate nondestructively with MIL-C-39012 connector.

Connector 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 silver plated contacts.

**WEIGHT:** Net 13 kg (28.7 lbs) maximum

### PHYSICAL DIMENSIONS:



Model #	DIM A	Connector Type
1456-3	15.0 (0.59)	N female
1456-4	22.9 (0.90)	N male

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