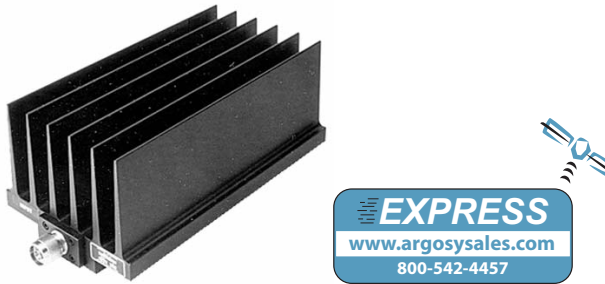


## Model 1434 High Power Coaxial Termination

dc to 2.5 GHz  
500 Watts

### Convection Cooled



### Features

- /// **Compact Construction** - Lowest size/power ratio.
- /// **Low SWR** - Maximum SWR remains low through full frequency and power range.
- /// **Operates down to dc.**
- /// **Rugged Construction** - Quality connector with special high temperature support bead.

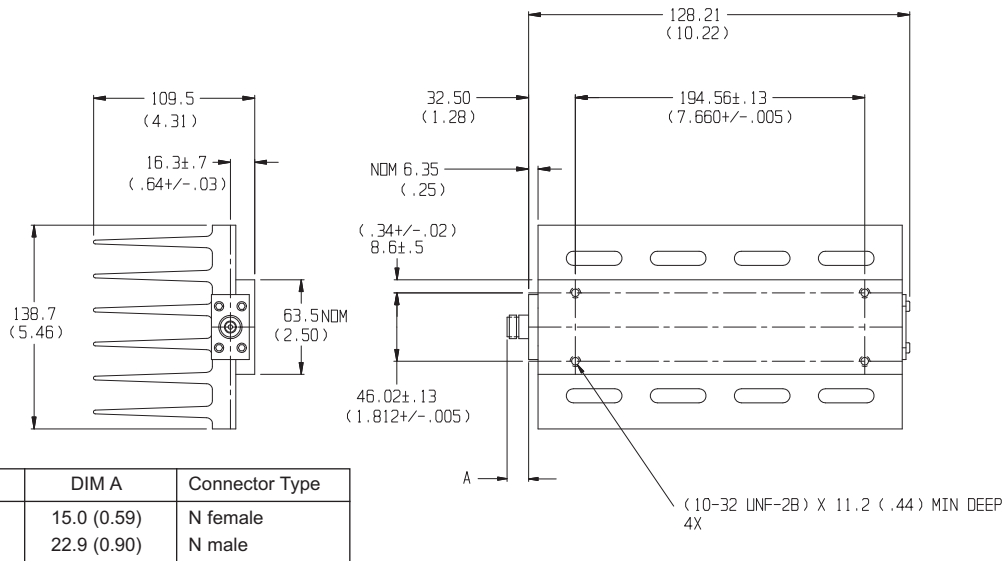
### Specifications

**NOMINAL IMPEDANCE:** 50  $\Omega$

**FREQUENCY RANGE:** dc to 2.5 GHz

MAXIMUM SWR:	
Frequency (GHz)	SWR
dc - 2.5	1.10

### PHYSICAL DIMENSIONS:



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

**INTERMODULATION (Model 1434-X-LIM Only):** IM3 (Reflected) = -100 dBc with two input signals @ 869 MHz and 891 MHz with an average power of +43 dBm each.

**POWER RATING:** 500 watts average (mounted horizontally assuming unobstructed air flow and natural convection around unit) @ 25°C ambient temperature, derated linearly to 50 watts @ 125°C. 10 kilowatts peak (5  $\mu$ sec pulse width; 2.5% duty cycle).

**TEMPERATURE RANGE:** -55°C to +125°C

**TEST DATA:** SWR Testing performed across the frequency band. Test data is available at additional cost.

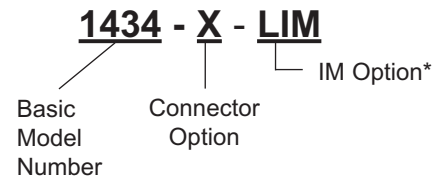
**CONNECTOR:** Type N connector per MIL-STD-348 interface dimensions - mate nondestructively with MIL-C-39012 connector. Choice of male (-4) or female (-3) connector.

**CONSTRUCTION:** Black, finned aluminum body, stainless steel connector; gold plated beryllium copper female contacts and stainless steel male contacts.

**WEIGHT:** 3,640 g (8 lbs.)

### MODEL NUMBER DESCRIPTION:

Example:



\* Add -LIM to entire model number for Low Intermodulation option.