

## Model 1433 High Power, N Connectors Convection Cooled

dc to 6.0 GHz  
250 Watts

**RoHS**



**INTERMODULATION (Model 1433-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:** 250 watts average (mounted horizontally assuming unobstructed air flow and natural convection around unit) @ 25°C ambient temperature, derated linearly to 25 watts @ 125°C. 10 kilowatts peak (5 µsec pulse width; 1.25% duty cycle).

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

**TEST DATA:** Swept data plots of SWR from 50 MHz to 6 GHz is available at additional cost-----.

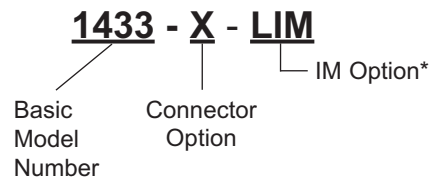
**CONNECTOR:** Type N connector per MIL-STD-348 interface dimensions - mate nondestructively with MIL-C-39012 connector. Choice of male (-4) or female connector (-3).

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

**WEIGHT:** Net 1,530 g (3 lbs., 6 oz.) maximum

**MODEL NUMBER DESCRIPTION:**

Example:



### Features

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

### Specifications

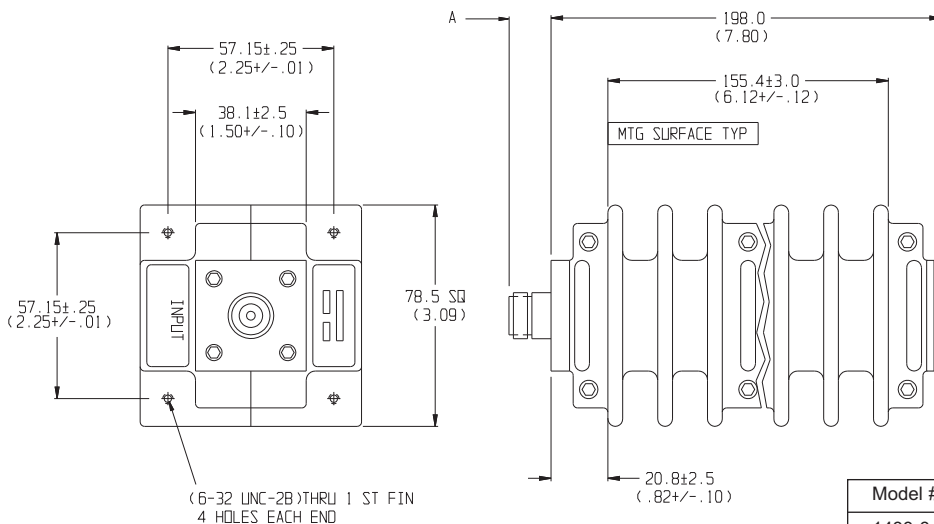
**NOMINAL IMPEDANCE:** 50 Ω

**FREQUENCY RANGE:** dc to 6.0 GHz

**MAXIMUM SWR:**

Frequency (GHz)	SWR
dc - 2	1.10
2 - 6	1.15

### PHYSICAL DIMENSIONS:



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

Model #	DIM A	Connector Type
1433-3	15.0 (0.59)	N female
1433-4	22.9 (0.90)	N male

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