# Model 1439

## *High Power, N or SMK Connectors*

### *Conduction / Convection Cooled*

**dc to 2.5 GHz**
**150 Watts**
**☑ RoHS**



## Features

- **Compact Construction -** Lowest size/power ratio.
- **Flexible Mounting Position -** The units may be mounted in horizontal (fins up) or vertical position.
- **Rugged Construction -** Quality connector with special high temperature support bead.

## Specifications

**NOMINAL IMPEDANCE:** 50 Ω

**FREQUENCY RANGE:** dc to 2.5 GHz

**MAXIMUM SWR*:**

| Frequency (GHz) | SWR |
|---|---|
| dc - 2.5 | 1.20 |

**POWER RATING:** 150 watts a**verage (mounted horizontally or vertically assuming unobstructed air flow and natural convection around unit),** 10 kilowatts **peak** (5 µsec pulse width; 0.75% duty cycle). Case temperature must be held to **100°C maximum.**

**TEMPERATURE RANGE:** -55°C to 100°C **case**

**TEST DATA:** Swept data plots of SWR from 50 MHz to 2.5 GHz is available at additional cost.

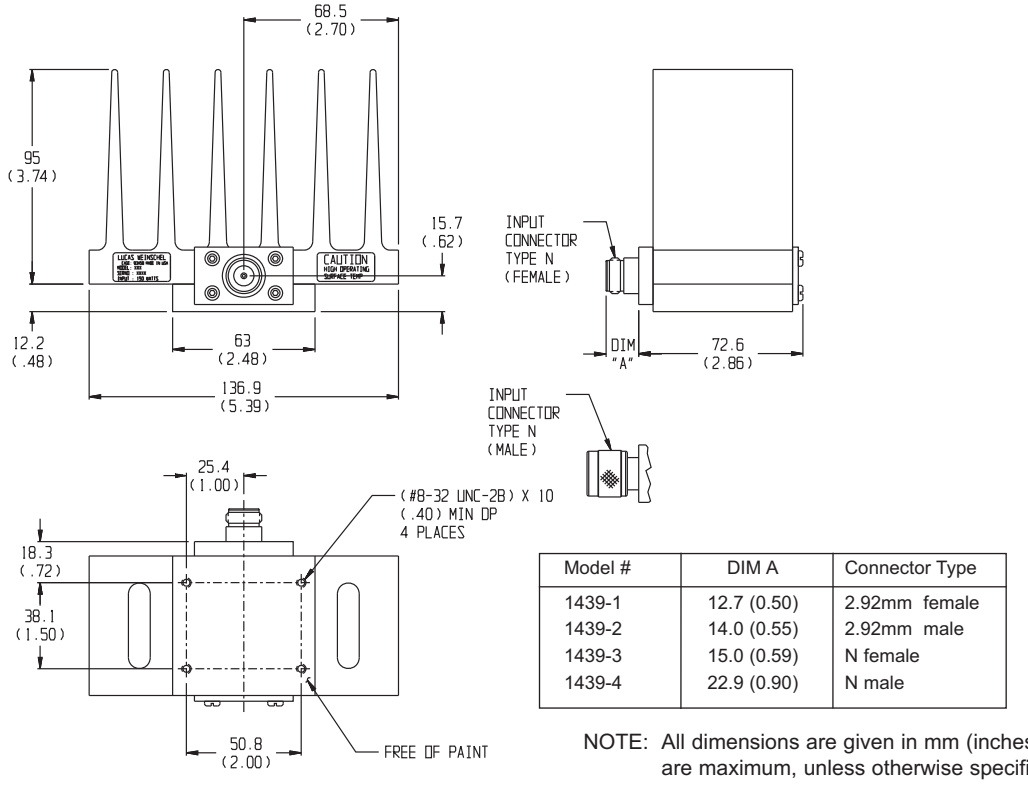
**CONNECTOR:** Type N connector per MIL-STD-348 interface dimensions - mate nondestructively with MIL-C-39012 connector. Choice of male (-4) or female connector (-3).

SMK (2.92mm) connector mates nondestructively with SMA per MIL-C-39012, 3.5mm and other 2.92mm (SMK) connector. Choice of male (-2) or female connector (-1).

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

**WEIGHT:** 850 g (1 lb, 14 oz)

**PHYSICAL DIMENSIONS:**




| Model # | DIM A | Connector Type |
|---|---|---|
| 1439-1 | 12.7 (0.50) | 2.92mm female |
| 1439-2 | 14.0 (0.55) | 2.92mm male |
| 1439-3 | 15.0 (0.59) | N female |
| 1439-4 | 22.9 (0.90) | N male |

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



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