## **Terminations & Loads**



# **Model 1473** High Power, N or SMK Connectors Conduction Cooled

# dc to 6.0 GHz 550 Watts





CONSTRUCTION: Aluminum alloy body, stainless steel connectors; gold plated beryllium copper contacts and stainless steel male contacts.

WEIGHT: 900 g (31.7 oz.) **PHYSICAL DIMENSIONS:** 



- Precision Connectors with high temperature support beads.
- Designed to meet environmental requirements of MIL-DTL-3933.
- 10 Kilowatts peak, Conduction Cooled
- Wireless Applications Optimized for use in the communications bands.

## **Specifications**

NOMINAL IMPEDANCE: 50  $\Omega$ FREQUENCY RANGE: dc to 6.0 GHz

MAXIMUM SWR:		
Frequency (GHz)	SWR	
dc - 6	1.20	

3rd ORDER INTERMODULATION (1473-X-LIM ONLY): Reflected Levels (IM3), -100 dBc with two input signals @ 869 MHz and 891 MHz with average carrier power levels of +43 dBm each.

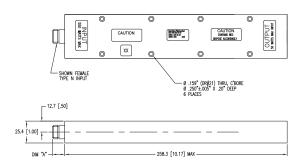
POWER RATING: 550 watts average, 10 kilowatt peak (5 μsec pulse width; 2.75% duty cycle) with case temperature held within 100 °C maximum with appropriate conductive heat sink.

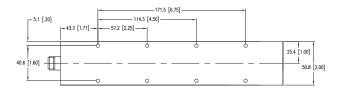
TEMPERATURE RANGE: -55°C to 100°C

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

CONNECTORS: 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).





Model #	DIM A	Connector Type
1473-1	12.7 (0.50)	2.92mm female
1473-2	14.0 (0.55)	2.92mm male
1473-3	15.0 (0.59)	N female
1473-4	22.9 (0.90)	N male

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

#### MODEL NUMBER DESCRIPTION:

### Example:



<sup>\*</sup> Add -LIM to entire model number for Low Intermodulation option.