

## **Terminations & Loads**

# Model 1470 High Power, N or SMK Connectors Conduction Cooled

# dc to 6.0 GHz 100 Watts **☑ RoHS**



CONSTRUCTION: Aluminum alloy body, stainless steel connectors; gold plated beryllium copper contacts. WEIGHT: 300 g (10.6 oz.) maximum PHYSICAL DIMENSIONS:

#### **Features**

- // 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 (1470-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.

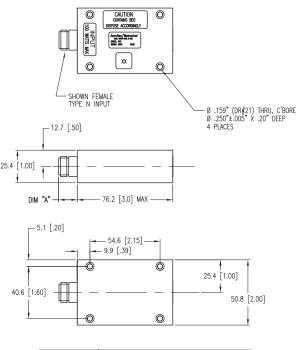
**POWER RATING (mounted horizontally):** 100 watts **average (unidirectional),** 10 kilowatt **peak** (5 μsec pulse width; 0.5% duty cycle) with case temperature held within **100 °C maximum** with appropriate conductive heat sink.

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
1470-1	12.7 (0.50)	2.92mm female
1470-2	14.0 (0.55)	2.92mm male
1470-3	15.0 (0.59)	N female
1470-4	22.9 (0.90)	N male

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

### MODEL NUMBER DESCRIPTION:

Example:

 1470
 - X
 - LIM

 IM Option\*
 IM Option\*

 Basic
 Connector Options

 Model
 1st digit is input side

 Number
 2nd digit is output side

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