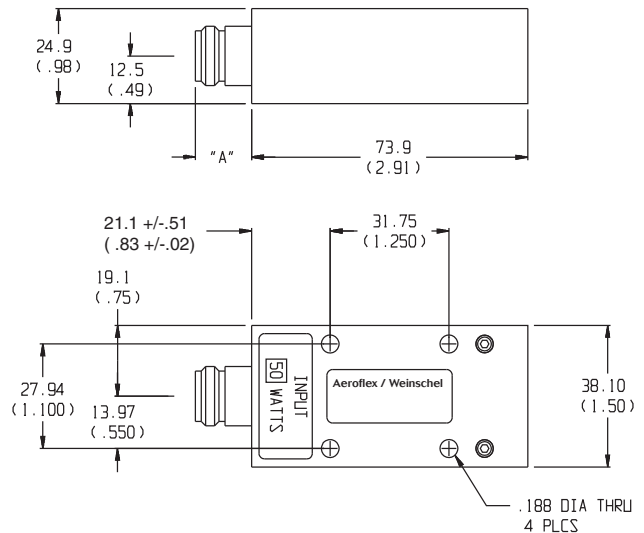


## Model 1441 Medium Power, N or SMK Connectors Conduction Cooled

dc to 4.0 GHz  
 50 Watts



### PHYSICAL DIMENSIONS:



### Features

- /// **Compact Construction** - Lowest size/power ratio.
- /// **Rugged Construction** - Quality connector with special high temperature support bead.
- /// **Ideal for Wireless Applications.**

### Specifications

**NOMINAL IMPEDANCE:** 50 Ω

**FREQUENCY RANGE:** dc to 4.0 GHz

#### MAXIMUM SWR:

Frequency (GHz)	SWR
dc - 4	1.15

**POWER RATING:** 50 watts **average**, 5 kilowatts **peak** (5 μsec pulse width; 0.5% duty cycle) with case temperature held within **100°C maximum** with appropriate conductive heatsink.

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

**TEST DATA:** Swept data plots of SWR from 50 MHz to 4 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 (-3) connector.

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:** Aluminum alloy body, stainless steel connector; gold plated beryllium copper contacts.

**WEIGHT:** Net 170g (6 oz.) maximum

Model #	DIM A	Connector Type
1441-1	12.7 (0.50)	2.92mm female
1441-2	14.0 (0.55)	2.92mm male
1441-3	15.0 (0.59)	N female
1441-4	22.9 (0.90)	N male

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