

# Terminations & Loads



## Model 1404N Precision Lab Standard N Connectors

dc to 18.0 GHz  
1 Watt



**TEMPERATURE RANGE:** -55°C to +85°C

**TEST DATA:** Swept data plots of SWR from 50 MHz to 18 GHz is available at additional cost.

**CONNECTOR:** Type N connector - mates nondestructively with MIL-C-39012 connector. Choice of male or female connector. When ordering, prefix model number with M for male and F for female.

**CONSTRUCTION:** Gold plated brass body; stainless steel connector; gold plated beryllium copper contacts.

**WEIGHT:** Net, 110 g (4 oz)

### Features

- /// **Precision Connector** - Interface dimensions per MIL-STD-348 Test connector
- /// **Rugged Construction** - Numerically controlled machining is used to produce high quality uniform parts with controlled concentricity and surface finishes. The result is excellent SWR repeatability.

### Specifications

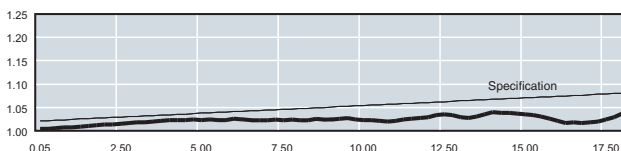
**NOMINAL IMPEDANCE:** 50 Ω

**FREQUENCY RANGE:** dc to 18.0 GHz

**POWER RATING:** 1.0 watt **average** to 25 °C ambient temperature, derated linearly to 0.1 watts @ 125°C. 1 kilowatt **peak** maximum (5 μsec pulse width; 0.05 % duty cycle).

#### MAXIMUM SWR:

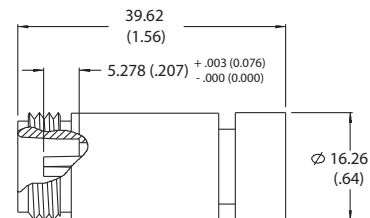
Model	SWR
F1404N	$\leq 1.04 + 0.0023f$ (GHz)
M1404N	$\leq 1.02 + 0.0033f$ (GHz)



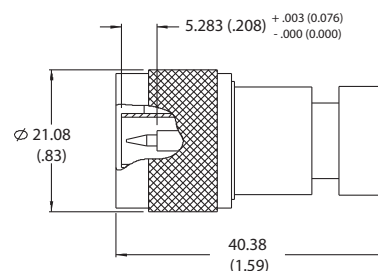
Typical M1404 SWR Performance

#### PHYSICAL DIMENSIONS:

##### MODEL F1404N:



##### MODEL M1404N:



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