



# Model 1431 High Power Coaxial Terminations

**dc to 18.0 GHz  
100 Watts**

## Type N Connector



**TEMPERATURE RANGE:** -55°C to +125°C

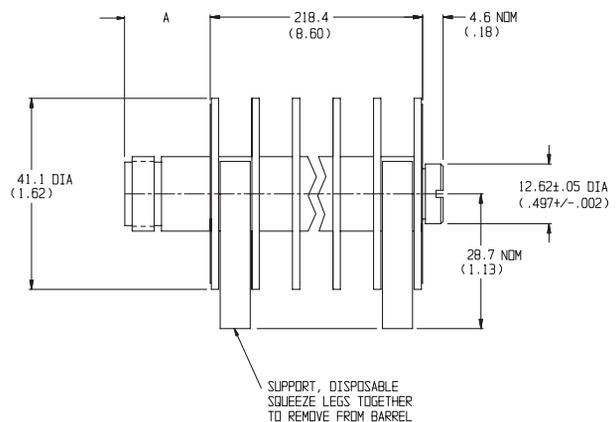
**CALIBRATION:** SWR Testing performed across the frequency band. Test data is available at additional cost.

**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).

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

**WEIGHT:** 320 g (11 oz)

**PHYSICAL DIMENSIONS:**



### Features

- /// Designed to meet environmental requirements of MIL-D-39030.
- /// Rugged injection molded connector.
- /// 1 Kilowatt Peak Power

### Specifications

**NOMINAL IMPEDANCE:** 50 Ω

**FREQUENCY RANGE:** dc to 18.0 GHz

| MAXIMUM SWR:    |      |
|-----------------|------|
| Frequency (GHz) | SWR  |
| dc - 8          | 1.20 |
| 8 - 18          | 1.30 |

**POWER RATING:** 100 watts average (mounted horizontally assuming unobstructed air flow and natural convection around unit) @ 25°C ambient temperature, derated linearly to 10 watts @ 125°C. 1 kilowatt peak (5 μsec pulse width; 5% duty cycle).

| Model # | DIM A       | Connector Type |
|---------|-------------|----------------|
| 1431-3  | 18.3 (0.72) | N female       |
| 1431-4  | 23.1 (0.91) | N male         |

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