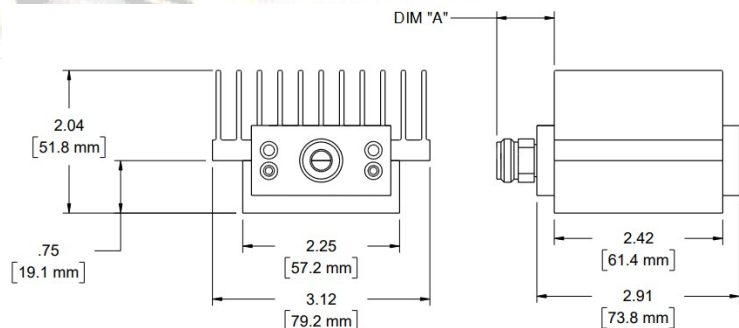


# Termination

# WA1431

## DC - 8.5 GHz

## 100 WATTS



### Features

Type N, TNC, SMA or DIN 7/16 stainless steel M/ F connector per MIL-STD-348A, interface dimensions mate nondestructively with MIL-PRF-39012. Designed to meet MIL-DTL-3933 environmental specification. Unit may be mounted in any position.

### Specifications

**Nominal Impedance:** 50 ohms.

**Frequency Range:** DC - 8.5 GHz.

**Power Rating:** **100 W** maximum average rated power to 25°C ambient temperature, de-rated linearly to 10 W at 125°C. **5 kW** peak power (5 µsec pulse width, 1.0% duty cycle).

**Temperature Range:** -55°C to +125°C.

**Construction:** Black aluminum alloy body with passivated stainless steel connector. Gold plated beryllium copper or stainless steel contacts. RoHS Compliant.

**Calibration:** VSWR performed across frequency range. Calibration test data available at additional cost.

**Low Intermodulation Option:** Add -LIM after connector option to specify low intermodulation

### Maximum VSWR:

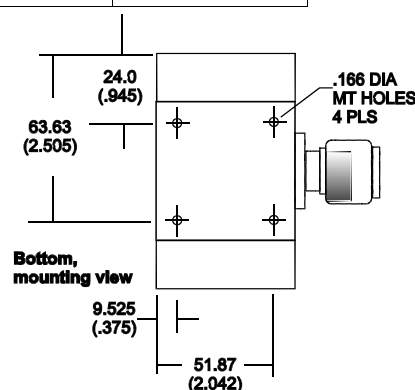
| Frequency (GHz) | VSWR WA1431 |
|-----------------|-------------|
| DC - 4.0        | 1.2         |
| 4.0 - 8.5       | 1.3         |

### Dimensions:

| Connector Type (- code) | Length Dimension 'A' |
|-------------------------|----------------------|
| SMA F -01               | 9.8 (.39)            |
| SMA M -02               | 10.9 (.43)           |
| N-Type F -03            | 14.9 (.59)           |
| N-Type M -04            | 22.7 (.89)           |
| TNC F -05               | 14.4 (.57)           |
| TNC M -06               | 17.7 (.70)           |
| 7/16 DIN F -07          | 30.5 (1.2)           |
| 7/16 DIN M -08          | 31.8 (1.25)          |

**Weight:** 0.5 (17.6)  
**Height:** 51.8 (2.04)  
**Width:** 79.2 (3.12)  
**Mounting:** 4x.166 diameter holes

*Note: Dimensions are given in mm (in), or kg (oz). Weight figure is nominal, with our standard connector configuration. Additional connector options may be available.*



## WEINSCHEL ASSOCIATES

TEL: 877.948.8342 / 301.963.4630 ♦ Fax: 301.963.8640

WEB: <http://www.WeinschelAssociates.com>

103



Specification