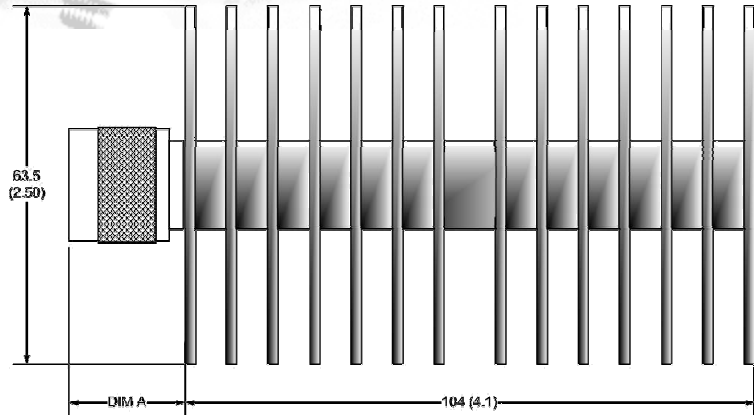


TERMINATION High Power-High Frequency

MODEL WA1491

DC – 18.0 GHz

100 WATTS



Features

Designed to meet MIL-A-39030 environmental specifications.

Specifications

Nominal Impedance: 50 ohms

Frequency Range: DC -18.0 GHz

Power Rating: 100W CW/ 1 KW peak to 25°C ambient temperature, de-rated linearly to 10 watts at 125°C, 1 kilowatt peak (5 µsec pulse width; 2.5% duty cycle).

Temperature Range: -55°C to +125°C

Construction: Black finned aluminum alloy body with passivated stainless steel connectors. Gold plated beryllium copper contacts.

Maximum VSWR:

| Frequency (GHz) | VSWR |
|-----------------|------|
| DC – 8.0 | 1.20 |
| 8.0 – 12.4 | 1.25 |
| 12.4 – 18.0 | 1.35 |

Connectors: Type N or SMA stainless steel M/F connectors per MIL-STD-348A, interface dimensions mate nondestructively with MIL-PRF-39012.

* Note: TNC connector available upon request.

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

Weight:

| | |
|--------|------------------|
| Type N | 1.18 kg/ 4.1 oz. |
| SMA | 1.25 kg/ 4.3 oz. |

Physical Dimensions:

Length:

| Connector | Dimension A |
|-----------------|-------------|
| Type N (-3, -4) | 24.1 (0.95) |
| SMA (-1, -2) | 30.1 (1.23) |

Diameter: 63.50 (2.50)

Note: Dimensions are given in mm (inches) and are maximum, unless otherwise specified.



WEINSCHTEL ASSOCIATES

TEL: 877.948.8342 / 301.963.4630 ♦ Fax: 301.963.8640

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

EMAIL: sales@WeinschelAssociates.com

121

Specification
Subject to change
without notice