Terminations & Loads

Model 1430
Medium Power, N & 3.5mm Connectors
Convection Cooled

dc to 18.0 GHz
50 Watts

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

WEIGHT: 175 g (6 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

<table>
<thead>
<tr>
<th>MAXIMUM SWR:</th>
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<tbody>
<tr>
<td>Frequency (GHz)</td>
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<tr>
<td>dc - 8</td>
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<tr>
<td>8 - 18</td>
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POWER RATING: 50 watts average (mounted horizontally assuming unobstructed air flow and natural convection around unit) @ 25°C ambient temperature, derated linearly to 5 watts @ 125°C. 1 kilowatt peak (5 μsec pulse width; 2.5% duty cycle).

INTERMODULATION (Model 1430-X-LIM Only): IM3 (Reflected) = -100 dBC with two input signals @ 869 MHz and 891 MHz with an average power of +43 dBm each.

TEMPERATURE RANGE: -55°C to +125°C

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

CONNECTOR: Type N connector - mate nondestructively with MIL-C-39012 connector. Choice of male (-4) or female connector (-3).

3.5mm connector mate nondestructively with SMA per MIL-C-39012 connector. Choice of male (-2) or female connector (-1).

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

MODEL NUMBER DESCRIPTION:

Example:

1430-X-LIM

Basic Model Number
Connector Option
IM Option*

* Add -LIM to entire model number for Low Intermodulation option.