Model 1447
Medium Power, 7/16 Connectors
Low Intermodulation Design

50 Watts
dc to 6.0 GHz



Features

- **Optimized for Wireless OEM and Test Applications.**
- **Designed to meet environmental requirements of MIL-D-39030.**
- **Custom Designs Available.**

Specifications

NOMINAL IMPEDANCE: 50 Ω

FREQUENCY RANGE: dc to 6.0 GHz

MAXIMUM SWR:

Frequency (GHz)	SWR
dc - 6	1.20

POWER RATING: (mounted horizontally assuming unobstructed air flow and natural convection around unit): 50 watts **average** to 25°C ambient temperature, derated linearly to 5 watts @ 125°C. 5 kilowatt **peak** (5 µsec pulse width; 0.5% duty cycle).

INTERMODULATION: IM3 (Reflected) = -100 dBc with two +43 dBm Input Tones @ 869 MHz and 891 MHz.

TEMPERATURE RANGE: -55°C to 125°C.

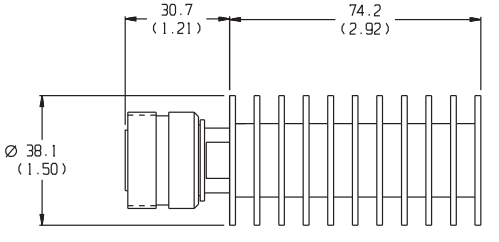
TEST DATA: Swept data plots of SWR from 50 MHz to 6 GHz is available at additional cost.

CONNECTOR: 7/16 connector that conforms to DIN 47 223, IEC 1694, VG 95250, CECC 22190. Choice of 7/16 male(-2) of 7/16 female (-1) connector

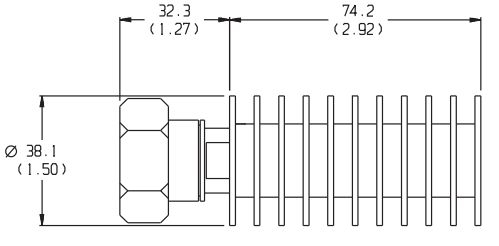
CONSTRUCTION: Black, finned aluminum body, silver plated brass connector.

WEIGHT: Net 354 g (12.5 oz) maximum

PHYSICAL DIMENSIONS:



MODEL NO. 1447-1 FEMALE



MODEL NO. 1447-2 MALE

NOTE: All dimensions are given in mm (inches) and tolerances are X.X+0.8 (0.03) unless otherwise specified.

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