AEROFLEX WEINSCHEL

Model 1428 dc to 1.5 GHz
Model 1435 dc to 5.0 GHz
High Power Coaxial Termination 150 Watts

RoHS

Convection Cooled

Features

- **Low SWR** - Maximum SWR remains low through full frequency and power range.
- **Rugged Construction** - Quality connector with special high temperature support beads.

Specifications

NOMINAL IMPEDANCE: 50 Ω

FREQUENCY RANGE: Model 1428: dc to 1.5 GHz
Model 1435: dc to 5.0 GHz

MAXIMUM SWR:

Frequency (GHz)	SWR
dc - 2	1.10
2 - 5	1.15

INTERMODULATION (Model 1435-X-LIM Only): IM3 (Reflected) = -100 dBc with two input signals @ 869 MHz and 891 MHz with an average power of +43 dBm each.

PHYSICAL DIMENSIONS:

POWER RATING: 150 watts **average (mounted horizontally assuming unobstructed air flow and natural convection around unit)** @ 25°C ambient temperature, derated linearly to 15 watts @ 125°C. 10 kilowatts **peak** (5 µsec pulse width; 0.75% duty cycle).

TEMPERATURE RANGE: -55°C to +125°C

TEST DATA: 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.

Model 1428: Add M for male or F for female
Model 1435: Add -4 for male or -3 for female

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

WEIGHT: 1,130 g (2 lbs, 8 oz)

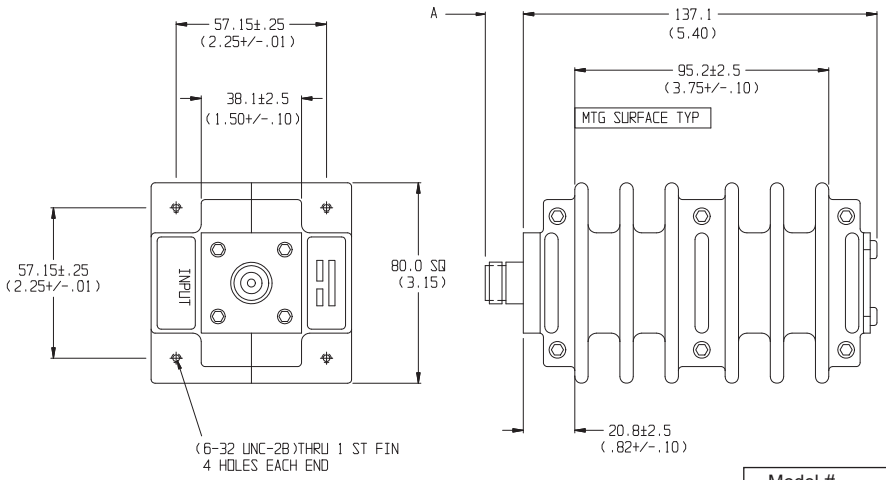
MODEL NUMBER DESCRIPTION:

Example:

1435 - X - LIM

- 1435: Basic Model Number
- X: Connector Option
- LIM: IM Option*

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



NOTE:

1. All dimensions are given in mm (inches) and are maximum, unless otherwise specified.
2. Unit available with RoHS compliant materials, specify when ordering.

Model #	DIM A	Connector Type
F1428, 1435-3	15.0 (0.59)	N female
M1428, 1435-4	22.9 (0.90)	N male

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