MCE WEINSCHEL

Model 59
High Power Fixed Coaxial Attenuators

dc to 2.5 GHz
100 Watts

Conductive Cooled

Features

- **Precision Connectors with high temperature support beads.**
- **Designed to meet environmental requirements of MIL-A-3933.**
- **10 Kilowatts peak, Conductive Cooled**
- **Wireless Applications** - Optimized for use in the communications bands.

Specifications

NOMINAL IMPEDANCE: 50 Ω

FREQUENCY RANGE: dc to 2.5 GHz

MAXIMUM DEVIATION OVER FREQUENCY:		
Nominal ATTN (dB)	Deviation (dB) dc-1 GHz	1-2.5 GHz
3, 6, 10, 20, 30, 40	± 0.70	± 1.00

MAXIMUM SWR:	
Frequency (GHz)	SWR
dc - 2.5	1.15

POWER RATING 100 watts **average (unidirectional)**, 10 kilowatts **peak** (5 µsec pulse width; 0.4 % duty cycle) with case temperature held within **100 °C maximum** with appropriate conductive heat sink. Note: 3 dB model can handle 200 Watts **average (unidirectional)**. Maximum power rating into output port is 10 % of the average power rating.

POWER COEFFICIENT: <0.0004 dB/dB/watt

TEMPERATURE COEFFICIENT: <0.0003 dB/dB/°C

TEMPERATURE RANGE: -55°C to 100°C (case temp)

CALIBRATION: Insertion loss test data supplied at 0.05, 0.5, 1.0, 1.5, 2.0 and 2.5 GHz. Other test data can be provided at additional cost.

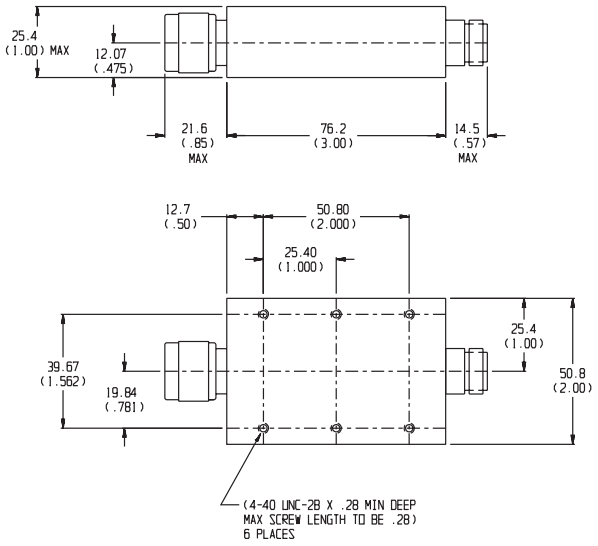
CONNECTORS: Type N connectors per MIL-STD-348 interface dimensions - mate nondestructively with MIL-C-39012 connectors.

Connector Options	Type/Description
3	Type N, Female
4	Type N, Male

CONSTRUCTION: Aluminum alloy body, stainless steel connectors; gold plated beryllium copper contacts.

WEIGHT: 150 g (5.2 oz.) maximum

PHYSICAL DIMENSIONS:



NOTE: All dimensions are given in mm (inches) and tolerances are .X±0.5 (0.02) & .XX+0.25 (0.01), unless otherwise specified.

MODEL NUMBER DESCRIPTION:

Example:

59 - XX - XX

- **59** — Basic Model Number
- **XX** — Attenuation Value (dB)
- **XX** — Connector Options
  - 1st digit is input side
  - 2nd digit is output side

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