

Model 66 High Power Fixed Coaxial Attenuators

**dc to 18.0 GHz
150 Watts**

Convection Cooled



Features

- /// Quality injection molded connectors.
- /// Designed to meet environmental requirements of MIL-A-3933.
- /// Broadband performance, ideal for test applications.

Specifications

NOMINAL IMPEDANCE: 50 Ω

FREQUENCY RANGE: dc to 18.0 GHz

MAXIMUM DEVIATION OVER FREQUENCY:

Nominal ATTN (dB)	Deviation (dB)
10	± 2.00
20, 30, 40	± 1.50

MAXIMUM SWR:

Frequency (GHz)	10	20, 30, 40 dB
dc - 18	1.90	1.60

POWER RATING (mounted horizontally): 150 watts average (unidirectional) @ case temperature of -55°C to +100 °C maximum. 1 kilowatt peak (5 μ sec pulse width; 7.5% duty cycle). Maximum power rating into output port is 10 watts average.

POWER COEFFICIENT: <0.0002 dB/dB/watt

TEMPERATURE COEFFICIENT: <0.0004 dB/dB/°C

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

CALIBRATION: Insertion loss test data supplied at 0.05, 4.0, 8.0, 12.4 and 18.0 GHz.

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: 480 g (17 oz.) maximum

MODEL NUMBER DESCRIPTION:

Example:

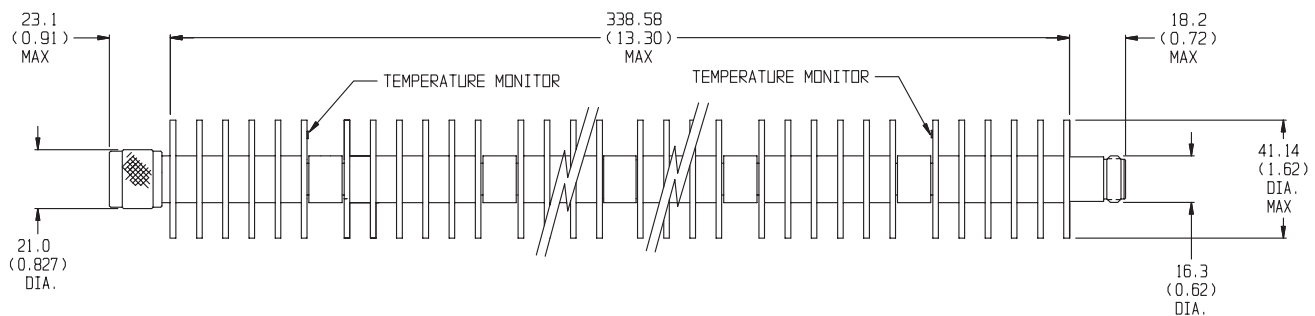
66 - XX - XX

Basic
Model
Number

Attenuation
Value (dB)

Connector Options
1st digit is input side
2nd digit is output side

PHYSICAL DIMENSIONS:



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