

Model 66 High Power, N or 3.5mm Connectors Convection Cooled

dc to 18.0 GHz
150 Watts



Features

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

Specifications

NOMINAL IMPEDANCE: 50 Ω

FREQUENCY RANGE: dc to 18.0 GHz

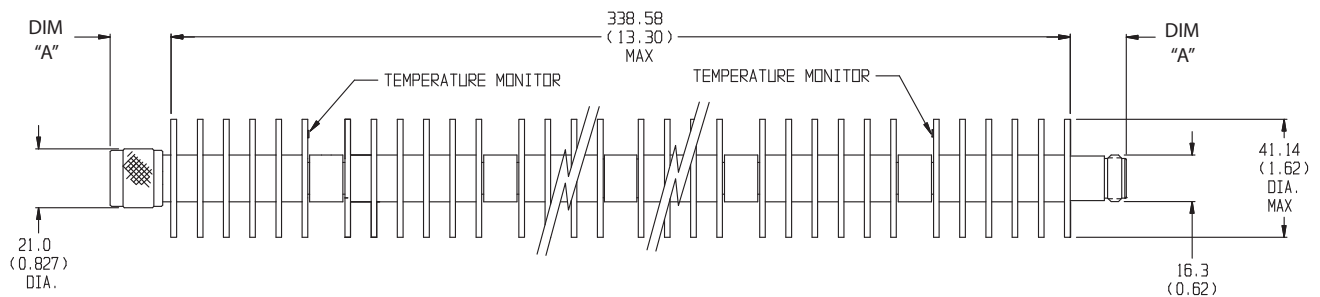
MAXIMUM DEVIATION OVER FREQUENCY:

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

PHYSICAL DIMENSIONS:



Connector	DIM A	Connector	DIM A
N Male	24.1 (0.95)	3.5mm Female	14.0 (0.55)
N Female	19.0 (0.75)	3.5mm Male	13.2 (0.52)

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

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

POWER COEFFICIENT: <0.0001 dB/dB/watt

TEMPERATURE COEFFICIENT: <0.0004 dB/dB/°C

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

TEST DATA: Swept data plots of attenuation and SWR from 50 MHz to 18 GHz.

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

3.5mm Connectors - mate nondestructively with SMA per MIL-C-39012, 2.92mm and other 3.5mm connectors.

Options	Description	Options	Description
1	3.5mm Female	3	Type N Female
2	3.5mm Male	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