

## 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

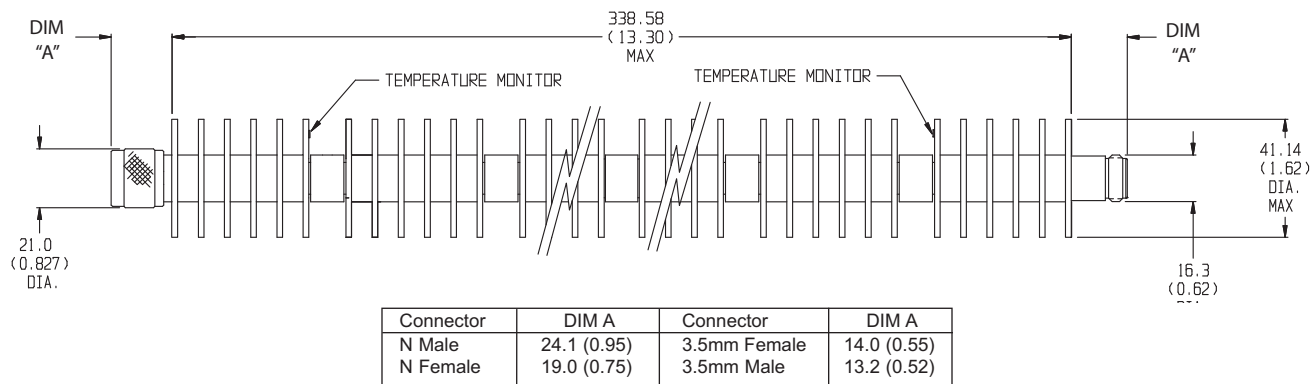
**NOMINAL IMPEDANCE:** 50  $\Omega$

**FREQUENCY RANGE:** dc to 18.0 GHz

MAXIMUM DEVIATION OVER FREQUENCY:	
Nominal ATTN (dB)	Deviation (dB)
10	$\pm 2.00$
20, 30, 40	$\pm 1.50$

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

### PHYSICAL DIMENSIONS:



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  $\mu$ sec 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:

