

# High Power Attenuator Model 260A

Connectors - Type N; 3.5 mm

dc to 18.0 GHz  
100 Watts

## Features

- Designed to meet environmental requirements of MIL-DTL-3933
- Rugged connector design
- Low intermodulation (LIM) option
- 1 Kilowatt peak power

## Technical Specifications

**Nominal Impedance:** 50 Ω

**Frequency Range:** dc to 18.0 GHz

### Maximum Deviation Over Frequency (dB):

Nominal ATTN (dB)	260A	260A - LIM
6	±0.75	±1.25
10, 20, 30	±1.00	±1.50
40	±2.00	±2.00

### Maximum SWR:

Frequency (GHz)	6dB	10, 20, 30, 40dB
dc - 18	1.25	1.20
8 - 12.4	1.35	1.25
12.4 - 18	1.45	1.35

**Power Rating:** -100 W average, unidirectional at 25°C ambient. Derated linearly to 10 Watts at @ 125°C. 1 kilowatt peak @5 μs pulse width & 1.25% duty cycle.

**Power Coefficient:** < 0.00015 dB/dB/watt

**Temperature Coefficient:** < 0.0004 dB/dB/°C

**Temperature Range:** -55°C to 125°C

### 3rd Order Passive Intermodulation (PIM) Levels:

Nominal ATTN (dB)	Reflected	Through
10, 20, 30, 40	-100 dBc	-110 dBc

IM3 levels tested with two input signals @ 869 & 891 MHz with average carrier power levels of +43 dBm each.



## Mechanical Specifications

**Construction:** Black finned, aluminum alloy body; stainless steel connector; gold plated beryllium copper contacts.

**Weight:** 420 grams (14.8 oz) maximum

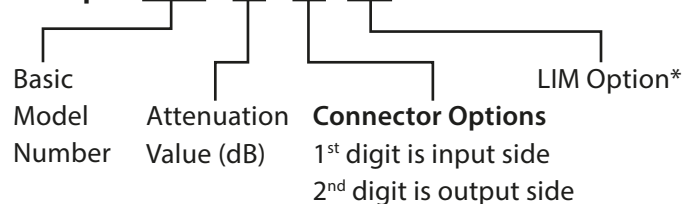
### Connectors:

Options	Type	Description
1	3.5 mm Female	Mate nondestructively with SMA, 3.5 mm & SMK connectors.
2	3.5 mm Male	
3	N Female	Interface dimensions per MIL-STD 348 & IEC 60169-16. Mates non-destructively with MIL-PRF-39012 connector.
4	N Male	

**Test Data:** Swept data plots of attenuation and SWR from 50 MHz to 18 GHz.

## Model Number Description

**Example:** 260A - XX - XX - LIM



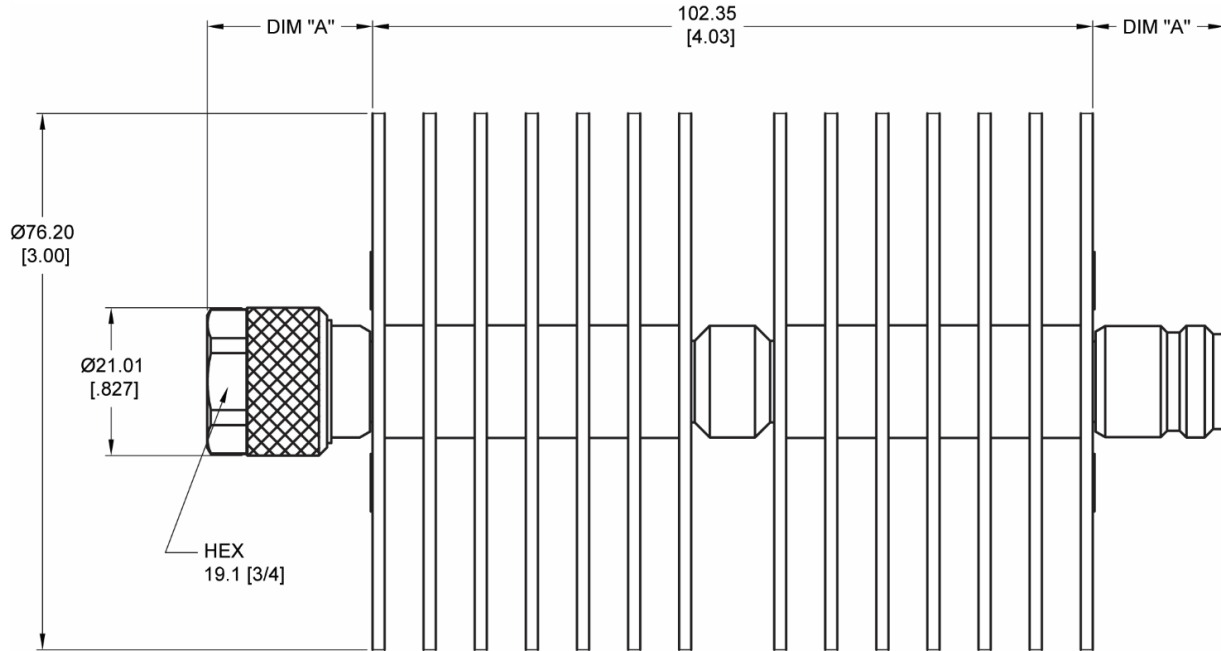
\* Add -LIM to entire model number for Low Intermodulation option.

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## Physical Dimensions



Connector Dimensions			
Connector Option	DIM A mm (in)	Connector Option	DIM A mm (in)
N Male	24.0 (0.95)	N Female	19.0 (0.75)
3.5mm Male	14.2 (0.55)	3.5mm Female	13.2 (0.52)

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