

# Fixed Coaxial Attenuators



## Model 84A Fixed Coaxial Attenuator

dc to 40.0 GHz  
2 Watts

### 2.4mm Connectors



### Features

- /// Useable to 43 GHz.
- /// Designed to meet environmental requirements of MIL-DTL-3933.
- /// Ruggedized 2.4mm Connectors.

### Specifications

**NOMINAL IMPEDANCE:** 50 Ω  
**FREQUENCY RANGE:** dc to 40.0 GHz

MAXIMUM DEVIATION OVER FREQUENCY:			
Nominal ATTN (dB)	Deviation (dB)		
	dc-18.0	18-26.5	26.5-40
3	± 0.60	± 0.70	± 1.10
6	± 0.60	± 0.70	± 1.00
10	± 0.60	± 0.80	± 1.00
20	± 0.70	± 1.00	± 1.00
30	± 1.00	± 1.40	± 1.40

MAXIMUM SWR:	
Frequency (GHz)	SWR
dc - 26.5	1.35
26.5 - 40	1.50

**POWER RATING:** 2 watts **average** to 25 °C ambient temperature, derated linearly to 0.1 watt at 125 °C. 200 watts **peak** (5 μsec pulse width; 0.5 % duty cycle).

**POWER COEFFICIENT:** < 0.01 dB/dB/watts

**TEMPERATURE COEFFICIENT:** < 0.001 dB/dB/°C

**TEMPERATURE RANGE:** -55°C to +125°C

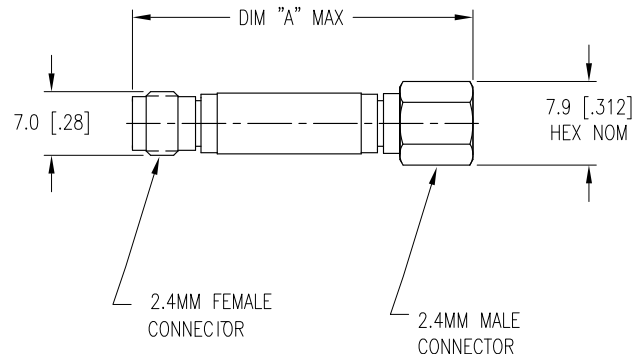
**TEST DATA:** Insertion Loss and SWR Testing performed across frequency range. Test data available at additional cost.

**CONNECTORS:** 2.4mm connectors mate nondestructively with other 2.4mm connectors. Contact Pin Recession (0 to 0.003)

**CONSTRUCTION:** Stainless steel body; gold plated beryllium copper contacts and brass connectors.

**WEIGHT:** 13 g (0.46 oz.) maximum

**PHYSICAL DIMENSIONS:**



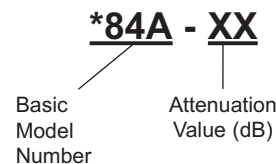
Model	DIM A
84A	38.10 (1.50)
F84A	34.00 (1.34)
M84A	42.20 (1.66)

NOTE:

1. All dimensions are given in mm (inches) and are maximum, unless otherwise specified.
2. Unit available with RoHS compliant materials, specify when ordering.

**MODEL NUMBER DESCRIPTION:**

Example:



\* Add Prefix M for double male and F for double female connectors.