

**Model 84A**  
**Ruggedized 2.4mm Connectors**

**Fixed Coaxial Attenuators**

**dc to 40.0 GHz**  
**2 Watts**



**Features**

- /// Useable to 42 GHz.
- /// Designed to meet environmental requirements of MIL-DTL-3933.

**Specifications**

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

MAXIMUM DEVIATION OVER FREQUENCY:		
Nominal ATTN (dB)	Deviation (dB)	
	dc-26.5	26.5-40
3, 6, 10	± 0.50	± 1.00
20, 30	± 0.80	± 1.50

MAXIMUM SWR:	
Frequency (GHz)	SWR
dc - 26.5	1.25
26.5 - 40	1.45

**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:** < 0.005 dB/dB/watts  
**TEMPERATURE COEFFICIENT:** < 0.0004 dB/dB/°C  
**TEMPERATURE RANGE:** -55°C to +125°C

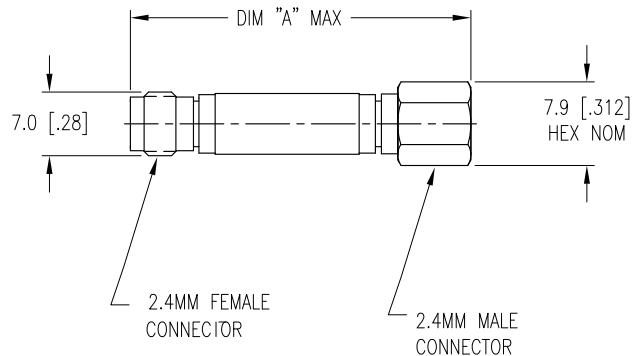
**TEST DATA:** Swept data plots of attenuation and SWR from 50 MHz to 40 GHz is available at additional cost.

**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:**

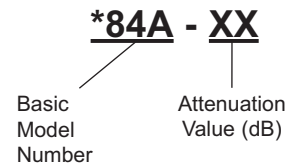


Model	DIM A
84A	38.10 (1.50)
F84A	34.00 (1.34)
M84A	42.20 (1.66)

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

**MODEL NUMBER DESCRIPTION:**

Example:



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