

# Fixed Coaxial Attenuators



## Model 76 2.4mm Connectors

dc to 50.0 GHz  
5 Watts



### Features

- Available in 3, 6, 10, 20 & 30 dB. Other values available upon request.
- Precision injection molded connectors.
- Designed to meet environmental requirements of MIL-DTL-3933.

### Specifications

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

**FREQUENCY RANGE:** dc to 50.0 GHz

#### MAXIMUM DEVIATION OVER FREQUENCY\*:

Nominal ATTN (dB)	Deviation (dB)	
	dc-26.5 GHz	26.5-50 GHz
3, 6	$\pm 0.50$	$\pm 1.10$
10, 20, 30	$\pm 0.80$	$\pm 1.50$

\* Includes frequency sensitivity.

#### MAXIMUM SWR:

Frequency (GHz)	SWR
dc - 26.5	1.25
26.5 - 50	1.45

**POWER RATING:** 5 watts **average** to 25 °C ambient temperature, derated linearly to 0.1 watt at 85 °C. 500 watts **peak** (5  $\mu$ sec pulse width; 0.05 % duty cycle).

**POWER COEFFICIENT:** < 0.004 dB/dB/watts

**TEMPERATURE COEFFICIENT:** < 0.0004 dB/dB/°C

**TEMPERATURE RANGE:** -55 °C to +100 °C

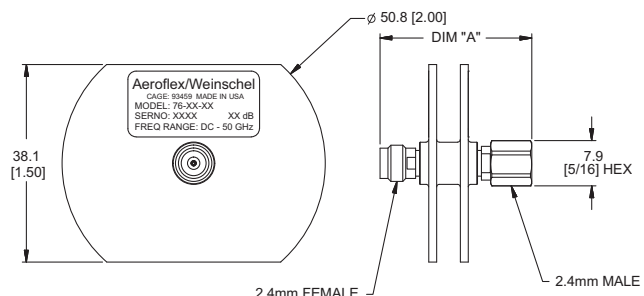
**TEST DATA:** Swept data plots of attenuation and SWR from 50 MHz to 50 GHz is available at additional cost.

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

**CONSTRUCTION:** Black, finned aluminum body, stainless steel connectors and gold plated beryllium copper contacts..

**WEIGHT:** 19.2 g (0.68 oz) maximum

#### PHYSICAL DIMENSIONS:

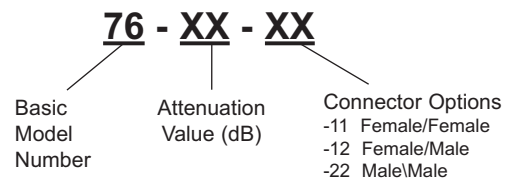


Model	DIM A
76-XX-12	29.50 (1.16)
76-XX-11	26.60 (1.05)
76-XX-22	32.30 (1.27)

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

#### MODEL NUMBER DESCRIPTION:

Example:



Note: Specifications subject to change without notice.