

Fixed Coaxial Attenuators

Model 56 *3.5mm Connectors*

dc to 26.5 GHz 2 Watts



TEMPERATURE COEFFICIENT: < 0.0004 dB/dB/°C

TEMPERATURE RANGE: -55°C to +100°C.

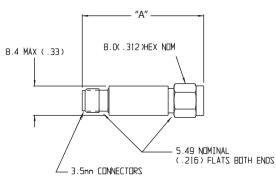
TEST DATA: Swept data plots of attenuation and SWR from 50 MHz to 26.5 GHz is available at additional cost.

CONNECTORS: 3.5mm connectors - contact pin recession (0.003 maximum) - mate nondestructively with SMA, 3.5mm, SMK and other 2.92mm per MIL-C-39012.

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

WEIGHT: 8 g (0.28 oz) maximum

PHYSICAL DIMENSIONS:

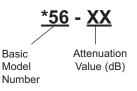


Model	DIM A						
56	33.0 <u>+</u> 0.5 (1.300 <u>+</u> 0.02)						
F56	35.9 <u>+</u> 0.5 (1.415 <u>+</u> 0.02)						
M56	29.0 <u>+</u> 0.5 (1.140 <u>+</u> 0.02)						

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.

ATTENUATOR SET (AS-20): Model 56 is also available in a Attenuator Set which includes five different attenuators (3, 6, 10, 20, 30 dB). Refer to Attenuator Sets data sheet for more information.



Features

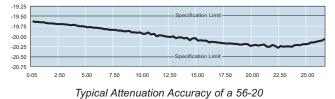
- // Useable to 28 GHz
- // Precision 3.5mm Connectors
- // Low SWR & Flat Response

Specifications

 NOMINAL IMPEDANCE:
 50 Ω

 FREQUENCY RANGE:
 dc to 26.5 GHz

AXIMUM DEVIATION OVER FREQUENCY (dB):						
Nominal ATTN (dB)	DEVIATION (dB)					
0	+ 0.50					
3, 6, 10	<u>+</u> 0.60					
20, 30	<u>+</u> 0.75					



MAXIMUM SWP.

Frequency (GHz)	SWR								
dc - 8	1.10								
8 - 12.4	1.15								
12.4 - 26.5	1.25								
1.40									
1.30			Spe	cification					
1.20									
1.10							\sim	مر	

2.50 5.00 7.50 10.00 12.50 15.00 17.50 20.00 22.50 25.00 Typical SWR of a 56-20

POWER RATING: 2 watts **average** to 25° C ambient temperature, derated linearly to 0.2 watts at +100°C. 500 watts **peak** (5 µsec pulse width; 0.2% duty cycle).

POWER COEFFICIENT: < 0.005 dB/dB/watts

1.00