

Fixed Coaxial Attenuators

Model 45 Model 58

High Power, N or SMK Connectors

Convection Cooled

dc to 1.5 GHz dc to 6.0 GHz 250 Watts **▼** RoHS



Features

- Quality connectors with special high temperature
- Designed to meet environmental requirements of MIL-DTL-3933.

Specifications

NOMINAL IMPEDANCE: 50 Ω

FREQUENCY RANGE: Model 45: dc to 1.5 GHz

Model 58: dc to 6.0 GHz

MAXIMUM DEVIATION OVER FREQUENCY:						
Nominal	Deviation (dB)					
ATTN (dB)	45	58	58 LIM			
3, 6	<u>+</u> 0.50	<u>+</u> 1.50				
10, 20	<u>+</u> 0.50	<u>+</u> 1.50	<u>+</u> 2.00			
30, 40	<u>+</u> 0.50	<u>+</u> 1.75	<u>+</u> 3.00			

MAXIMUM SWR:				
Frequency (GHz)	45/58		58 LIM	
	Input	Output	Input	Output
dc - 2 (1.5*)	1.10	1.20 (1.10*)	1.20	1.25
2 - 6	1.15	1.25	1.20	1.25

^{*} Model 45 only!

3rd ORDER INTERMODULATION (58-XX-XX-LIM ONLY): Reflected Levels (IM3), -100 & Through Levels (IM3), -110 dBc with two input signals @ 869 MHz and 891 MHz with average carrier power levels of +43 dBm each.

(mounted horizontally with fins POWER RATING vertical): 250 watts average (unidirectional) to 55°C ambient temperature, derated linearly to 25 watts @ 125°C. 10 kilowatt **peak** (5 μsec pulse width; 1.25% duty cycle). Maximum power rating into output port is 50 watts average.

POWER COEFFICIENT: <0.0001 dB/dB/watt

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 1.5 / 6 GHz.

CONNECTORS: Type N connectors per MIL-STD-348 interface dimensions - mate nondestructively with MIL-C-39012 connectors. SMK (2.92mm) connectors - mate nondestructively with SMA per MIL-C-39012, 3.5mm, SMK, and other 2.92mm connectors.

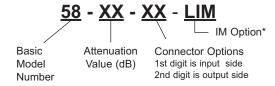
Options	Description	Options	Description
1	SMK Female	3	Type N Female
2	SMK Male	4	Type N Male

CONSTRUCTION: Aluminum alloy body, stainless steel connectors; gold plated beryllium copper contacts.

WEIGHT: 1,530 g (6 lbs, 3 oz.) maximum

MODEL NUMBER DESCRIPTION:

Example:



Add -LIM for Low Intermodulation option. Option only available with Model 58 in 10, 20, 30, 40 dB and is not available through Express.

DIM A

