



MICROLAB/FXR Fixed Attenuators

AM, AN, AP, AQ & AR series

Coaxial Attenuators for Wireless Apps.
Cylindrical designs, N & SMA, DC to 3 GHz

\$ Saver Product Line

- ◆ Wide Range of Standard Values
- ◆ Integral Matching Structures
- ◆ High Reliability
- ◆ 2W to 50W Average Power
- ◆ N and SMA Connectors
- ◆ Delivery from stock



The Microlab/FXR coaxial attenuators for wireless applications cover DC to 3 GHz frequency range. Average powers range from 2W to a full 50 Watts average rating. Powers to 1 kW average and 10 kW peak covering DC to 3 GHz are available to special order.

These attenuators are constructed of resistive elements in a conventional series circuit. They are uni-directional, exceptionally rugged, and negligibly affected by normal ambient temperature and humidity changes. All 10W units and above are available in alternate packages and connectors such as BNC, TNC and 7-16 mm DIN to order. (3/07)

Frequency Range: DC to 3.0 GHz
Impedance: 50Ω nominal (Note 75Ω available to order in AM/AN series)

Temperature:
Operating*: -10° to +50°C
Non Operating: -40° to +70°C

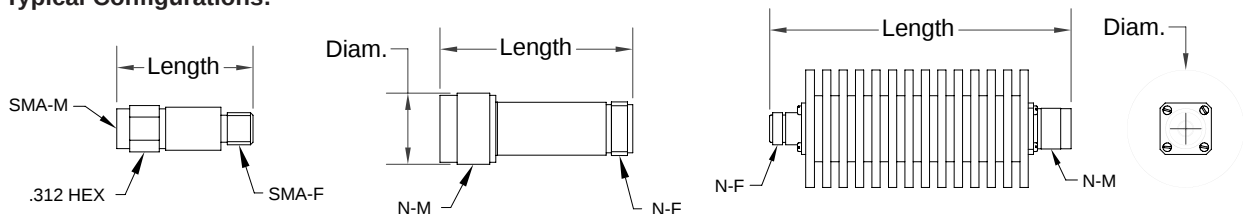
Finish:
Body: Passivated aluminum
Heat Sink: Anodized aluminum
SMA connectors: Stainless steel
N connectors: Silver or triplate

*Derate power by -1.5%/°C above 50°C

Model Numbers/Attenuation Values*					Power Avg/Peak	Conn. (m-f) [†]	Accuracy, dB				VSWR max.	Size in.(mm)		Wt. nom oz (g)
3 dB	6 dB	10 dB	20 dB	30 dB			3 & 6	10	20	30		Diam.	Length	
AM-03F	AM-06F	AM-10F	AM-20F	AM-30F	2W/500W	SMA	±0.4	±0.5	±0.6	±0.6	1.20:1	0.7(18)	2.8(70)	1.4(40)
AM-03N	AM-06N	AM-10N	AM-20N	AM-30N	2W/500W	N	±0.4	±0.5	±0.6	±0.6	1.20:1	0.8(20)	2.8(70)	2.3(65)
AN-03F	AN-06F	AN-10F	AN-20F	AN-30F	5W/500W	SMA	±0.4	±0.5	±0.5	±0.7	1.25:1	0.8(20)	2.8(70)	2.3(65)
AN-03N	AN-06N	AN-10N	AN-20N	AN-30N	5W/500W	N	±0.4	±0.5	±0.5	±0.7	1.25:1	0.8(20)	2.8(70)	2.3(65)
AP-03N	AP-06N	AP-10N	AP-20N	AP-30N	10W/1kW	N	±0.4	±0.5	±0.6	±0.6	1.20:1	1.5(38)	3.3(83)	4.8(135)
AQ-03N	AQ-06N	AQ-10N	AQ-20N	AQ-30N	25W/1kW	N	±0.4	±0.5	±0.6	±0.6	1.20:1	1.5(38)	3.3(83)	4.8(135)
AR-03N	AR-06N	AR-10N	AR-20N	AR-30N	50W/1kW	N	±0.6	±0.5	±0.5	±0.6	1.20:1	2.5(64)	4.3(109)	18(500)

Other Values and Powers to special order [†]BNC, TNC and DIN connectors available to special order most models

Typical Configurations:



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