Fixed Attenuators, AM/N/P/Q/R ser.

Coaxial Attenuators for Wireless Apps.
N & SMA, DC to 3 GHz
Rev. A

$ Saver Product Line

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

The Microlab 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 exceptionally rugged, and negligibly affected by normal ambient temperature and humidity changes. They are capable of bi-directional power application with the exception of the limits stated in the specifications below. (09/14)

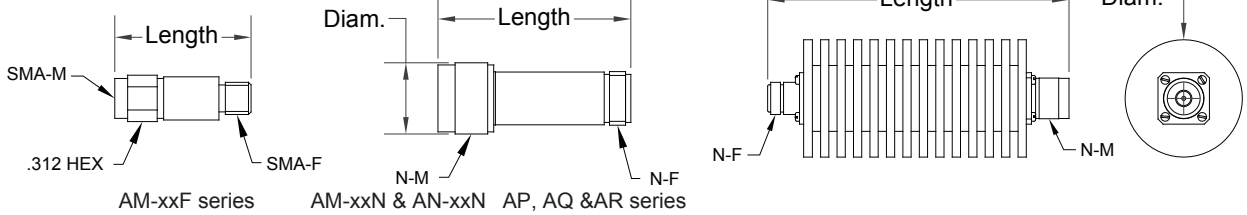
Frequency Range:	DC to 3.0 GHz
Impedance:	50Ω nominal
Temperature:	
Operating*:	-10° to +50°C
Non Operating:	-40° to +70°C
Finish:	
Body	Passivated aluminum
Heat Sink:	Anodized aluminum
SMA connectors:	Stainless steel
N connectors:	Triplate

*Derate power by -1.5%/°C above 50°C

Model Numbers/Attenuation Values*						Power	Conn.	Accuracy, dB				VSWR	Size in.(mm)		Wt. nom
3 dB	6 dB	10 dB	15dB	20 dB	30 dB	Avg/Peak	(m-f)	3 & 6	10	15 & 20	30	max.	Diam.	Length	oz (g)
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-15N**	**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-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)

*15dB and other Values and Powers to special order †Maximum reverse power is 25W for AR-20N and AR-30N

Typical Configurations:



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