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Fixed Attenuators, AM/N/P/Q series

Coaxial Attenuators for Wireless Applications
N & SMA, DC to 3 GHz
Rev. B

- Standard Bandwidth resistive attenuators
- 2W to 25W Average Power
- Integral Matching Structures
- High Reliability
- RoHS Compliant
- Economic Price
- Multiple Connector options

Microlab coaxial attenuators are for wireless applications covering DC to 3 GHz frequency range. They are designed for standard commercial bandwidth networks with range from 2W to a full 25W average bidirectional power rating.

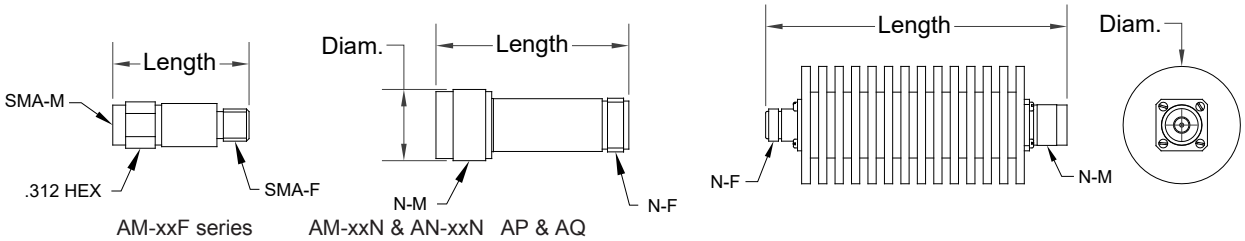
The attenuators are constructed of resistive elements in a conventional series circuit. Units are exceptionally rugged, and negligibly affected by normal ambient temperature and humidity changes.

Frequency:	DC to 3.0 GHz
Impedance:	50Ω nominal
Temperature:	
Operating*:	-10° to +50°C
Non Operating:	-40° to +70°C
Finish:	RoHS Compliant
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(dB)						Power	Conn.	Accuracy, dB				VSWR	Size in.[mm]		Wt. nom
3	6	10	15	20	30	Avg/Peak	(m-f)	3 & 6	10	15 & 20	30	max.	Diam.	Length	lbs (g)
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]	0.14(65)
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]	0.09(40)
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]	0.14(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]	0.3(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]	0.3(135)

Mechanical Outline



Note: Specifications are subject to change without prior notification.

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