

\$ 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	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:

