

**Product Line Discontinued, but
may be available to special order**

- ◆ Wide Range of Standard Values
- ◆ Miniaturized Package
- ◆ Integral Matching Structures
- ◆ High Reliability
- ◆ 2 - 4 Watt Avg Power Rating
- ◆ N, BNC or TNC Connectors
- ◆ RoHS compliant



The Microlab AB series coaxial attenuators are general-purpose attenuation standards for use in the DC to 4.5 GHz frequency range.

The AB series attenuators are constructed with Microlab/FXR film resistors in conventional tee circuits. They are bi-directional, exceptionally stable, and unaffected by normal ambient temperature and humidity changes.

AB series attenuators are available to special order with special attenuation values, VSWR, power ratings, connector series, and connector polarities to meet your exact specifications. (01/13)

Frequency Range:	DC to 4.5 GHz
VSWR:	1.35:1 max. (values 1 to 6 dB) 1.25:1 max. (values > 6 dB)
Peak Power:	2 kW max.
Impedance:	50Ω nominal
Temperature Range:	-55°C to +125°C
Coefficient:	0.00008 dB/dB/°C
Connector Finish:	Silver plate per QQ-S-365

Connector Series	Suffix	Typical Part No.	Physical Differences Length in. (mm)	Weight oz. (g)
N	N	AB-01N	Reference	Reference
BNC	B	AB-01B	-0.2 (5.1)	-1.6 (-45)
TNC	T	AB-01T	-0.2 (5.1)	-1.5 (-43)

Attenuation dB	Accuracy dB Max. in band DC to 3 GHz	Accuracy dB Max. 4.5 GHz	Power Input Avg.	Length in. (mm)	Weight oz. (g)	Model Numbers for N Conn.
1	±0.3	±0.3	4W			AB-01N
2	±0.4	±0.4	4W			AB-02N
3	±0.4	±0.4	4W	2.7 (69)	2.8 (79)	AB-03N
4	±0.4	±0.4	3W			AB-04N
5	±0.4	±0.4	3W			AB-05N
6	±0.5	±0.5	3W	2.7 (69)	2.8 (79)	AB-06N
8	±0.6	±0.6	2W			AB-08N
10	±0.6	±0.6	2W			AB-10N
12	±0.7	±0.7	2W			AB-12N
15	±0.7	±0.8	2W	2.7 (69)	2.8 (79)	AB-15N
20	±0.7	±1.0	2W			AB-20N
25	±0.7	±1.5	2W			AB-25N
30	±0.7	±1.5	2W	2.7 (69)	2.8 (79)	AB-30N
40	±1.2	±1.5	2W	3.9 (99)	3.2 (91)	AB-40N
50	±1.5	±2.0	2W	3.9 (99)	3.2 (91)	AB-50N
60	±1.5	±2.0	2W	3.9 (99)	3.2 (91)	AB-60N

