



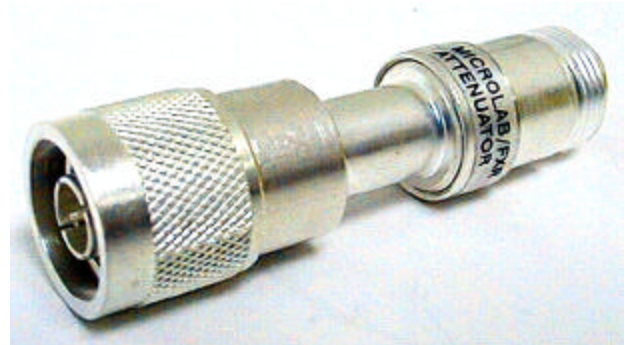
MICROLAB/FXR

AB series

Fixed Attenuators

Stable Attenuation Standards
DC to 4.5 GHz

- ◆ Miniaturized Package
- ◆ Integral Matching Structures
- ◆ High Reliability
- ◆ 2 - 4 Watt Average Power Rating
- ◆ N, BNC or TNC Connectors Standard



The Microlab/FXR AB series coaxial attenuators are general-purpose attenuation standards for use in the DC to 4.5 GHz frequency range. The AH series is recommended for all applications requiring greater accuracy or wider frequency coverage.

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. (8/98)

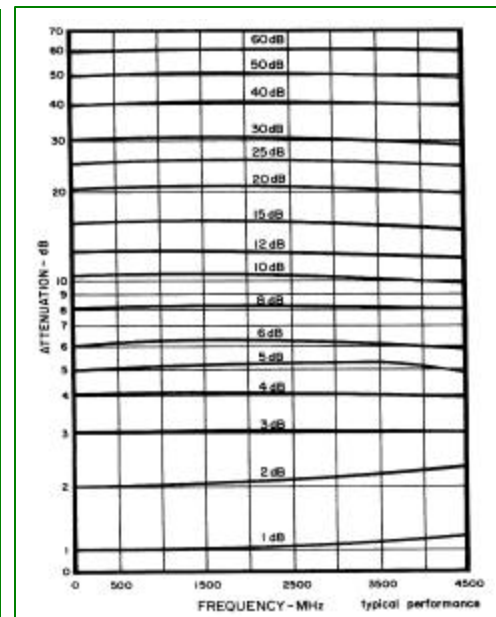
Specifications

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

Alternate Connector Specifications

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		Maximum Power Input		Length in. (mm)	Weight oz. (g)	Model Numbers For N type
	Over GHz band		Avg.	Peak			
	0 - 3.0	0 - 4.5					
1	±0.2	±0.3	4W		2.7 (69)	2.8 (79)	AB-01N
2	±0.4	±0.4	4W	2 kW			AB-02N
3	±0.4	±0.4	4W				AB-03N
4	±0.4	±0.4	3W				AB-04N
5	±0.4	±0.4	3W		2.7 (69)	2.8 (79)	AB-05N
6	±0.5	±0.5	3W	2 kW			AB-06N
8	±0.6	±0.6	2W				AB-08N
10	±0.6	±0.6	2W				AB-10N
12	±0.7	±0.7	2W		2.7 (69)	2.8 (79)	AB-12N
15	±0.7	±0.8	2W	2 kW			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	2 kW	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



Microlab/FXR, Ten Microlab Road, Livingston, New Jersey 07039-1682 USA • Tel: (973) 992-7700

E-mail: sales@microlab-fxr.com ; Website: www.microlab-fxr.com ; Fax: (973) 992-0512