



MICROLAB/FXR Fixed Attenuators

AA series

General Purpose, Low Cost Pads
DC to 1.0 GHz

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



The Microlab/FXR AA series coaxial attenuators are for general-purpose applications in the DC to 1 GHz frequency range. The AB series is recommended for all applications requiring greater accuracy than the AA series or wider frequency coverage.

The AA series attenuators are constructed of resistive elements in a conventional p-type circuit. They are bi-directional, exceptionally rugged, and negligibly affected by normal ambient temperature and humidity changes.

AA series attenuators are available to order with special attenuation values, VSWR, power ratings, connector series, and connector polarities to meet your exact specifications. (8/02)

Frequency Range: DC to 1.0 GHz
 VSWR: 1.30:1 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: 0.0001 dB/dB/°C
 Connector Finish: Silver plate per QQ-S-365

Connector Series	Suffix	Typical Part No.	Physical Length in. (mm)	Differences Weight oz. (g)
N	N	AA-01N	Reference	Reference
BNC	B	AA-01B	None	-1.3 (-37)
TNC	T	AA-01T	None	-1.2 (-34)

Attenuation dB	Accuracy dB Max. In band 0 -1.0 GHz	Power Input, avg.	Length in. (mm)	Weight oz. (g)	Model Numbers For N Conn.
1	±0.3	4W	2.2 (56)	2.4 (68)	AA-01N
2	±0.3	4W			AA-02N
3	±0.4	4W			AA-03N
4	±0.4	3W			AA-04N
5	±0.5	3W	2.2 (56)	2.4 (68)	AA-05N
6	±0.6	3W			AA-06N
8	±0.7	2W			AA-08N
10	±0.8	2W			AA-10N
12	±0.9	2W	2.2 (56)	2.4 (68)	AA-12N
15	±1.0	2W	2.2 (56)	2.4 (68)	AA-15N
20	±1.2	2W	2.2 (56)	2.4 (68)	AA-20N
25	±1.3	2W	3.0 (76)	2.7 (77)	AA-25N
30	±1.5	2W	3.0 (76)	2.7 (77)	AA-30N
40	±1.8	2W	3.0 (76)	2.7 (77)	AA-40N
50	±2.0	2W	3.8 (97)	3.1 (88)	AA-50N
60	±2.5	2W	3.8 (97)	3.1 (88)	AA-60N

