



MICROLAB/FXR

AJ-40 and AJ-50 series

Attenuators

Continuously Variable
2.0 to 12.4 GHz

- ◆ Dissipative Attenuation
- ◆ Ideal for Fine Level Adjustment
- ◆ Knob, Screwdriver or Dial Drive
- ◆ Bi-Directional Application
- ◆ Up to 5W Average Power Rating
- ◆ N Connectors standard



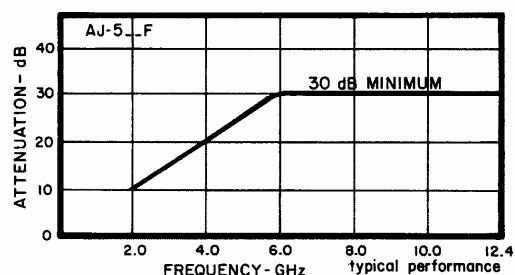
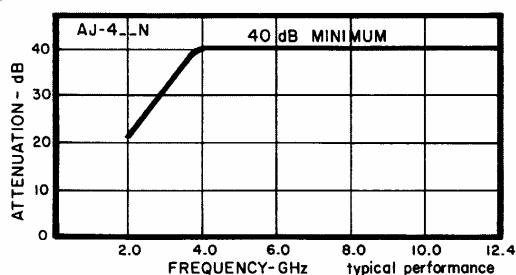
Shown with optional paint

The Microlab/FXR AJ series coaxial attenuators are continuously variable, consisting of a dissipative element that is controllably inserted into a transmission line.

The Microlab/FXR AJ-40 and AJ-41 series variable attenuators are designed for use up to 12.4 GHz. The AJ-40 series is adjusted by rotating a knob, or by a screwdriver when the knob is removed. The AJ-41 is adjusted by counting dial rotation and can be calibrated at specific frequencies. The units are bi-directional and ruggedly constructed. The AJ-50 is a miniaturized SMA connector version with knob or screwdriver adjustment.

Contact for attenuators with special attenuation, VSWR, power rating, other connectors, etc. (5/06)

Frequency: 2.0 to 12.4 GHz
 Insertion Loss: 0.5 dB min.
 VSWR, typ: 1.50:1 0-10dB @ 2.0 GHz
 1.50:1 0-25dB @ 4.0 GHz
 1.50:1 0-40dB > 6.0 GHz
 Impedance: 50Ω nominal
 Temperature: -55°C to +125°C
 Housing Finish: Passivated Aluminum



Model series	Drive Mechanism	Connector Choice	Power Rating		Length in. (mm)	Height* in. (mm)	Width in. (mm)	Weight oz. (g)
			Avg.	Peak				
AJ-400	Knob or screwdriver	N or TNC	5W	1kW	3.7 (94)	2.6 (66)	0.6 (15)	10 (280)
AJ-410	Dial				3.7 (94)	2.6 (66)	0.6 (15)	10 (280)
AJ-500	Knob or screwdriver	SMA	2W		2.5 (64)	1.8 (46)	0.5 (13)	3 (84)

*Height of body less knob

Connector Series and Model Numbers						
Connector Type	male-female Suffix		male-male Suffix		female-female Suffix	
	Suffix	Example	Suffix	Example	Suffix	Example
N	0N	AJ-400N	MN	AJ-40MN	FN	AJ-40FN
TNC*	0T	AJ-400T	MT	AJ-40MT	FT	AJ-40FT
SMA*	0F	AJ-500F	MF	AJ-50MF	FF	AJ-50FF

*Special Order option