



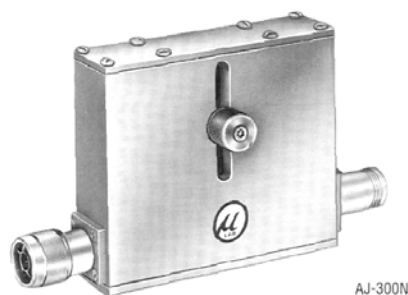
MICROLAB/FXR

AJ-20 and AJ-30 series

Attenuators

Continuously Variable
0.25 to 6.0 GHz

- ◆ Dissipative Attenuation
- ◆ Ideal for Fine Level Adjustment
- ◆ Slide Lock or Micrometer Drive
- ◆ Bi-Directional Application
- ◆ 10 Watt Average Power Rating
- ◆ N Connectors Standard



AJ-300N

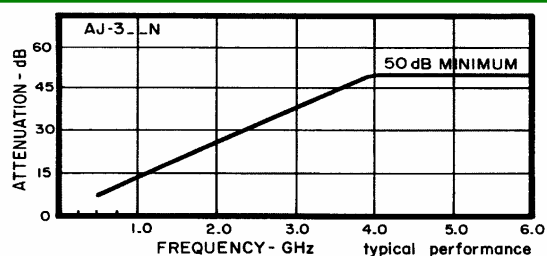
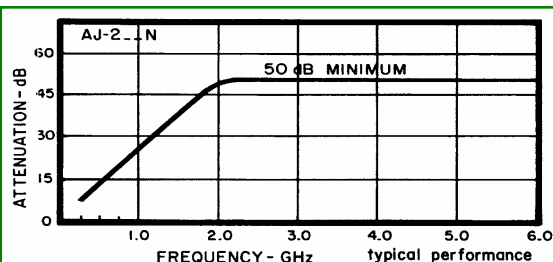
The Microlab/FXR AJ series coaxial attenuators are continuously variable units consisting of a dissipative element that is controllably inserted into a transmission line. They are useful when finer adjustments are required than are attainable with step attenuators, as transfer standards or as level set devices.

The Microlab/FXR AJ-20 and AJ-30 series variable attenuators are designed for use up to 6.0 GHz. Their attenuation characteristics are as shown in the curves below. They are supplied with either a quick set slide-lock adjustment or with a micrometer drive for applications requiring calibration or resettability. The units are bi-directional and ruggedly constructed.

Attenuators exhibiting special attenuation VSWR, power rating, and other connector series and polarities can be supplied to your specifications. (5/06)

Specifications

Drive: Slide-Lock
Micrometer
Insertion Loss: 0.5 dB min.
Impedance: 50Ω nominal
Power Rating: 10W avg., 3 kW pk
Temperature
Range: -55°C to +125°C
Finish:
Connector Silver plate per
QQ-S-365
Housing: Optional Paint per
MIL-C-22750



Operating Frequency Range, GHz	VSWR		Length in. (mm)	Height in. (mm)	Width in. (mm)	Weight oz. (g)	Model Numbers For N (m-f)
	typical	GHz band					
0.25 - 5.0	1.5:1	1.0 - 5.0	10.7 (272)	3.6 (91) 6.8 (173)*	1.5 (58) 1.0 (25)	27 (756) 29 (812)	AJ-200N
	2.0:1	< 1.0					AJ-210N
0.50 - 6.0	1.5:1	1.5 - 6.0	6.7 (170)	3.6 (91) 6.8 (173)*	1.5 (58) 1.0 (25)	17 (476) 19 (532)	AJ-300N
	2.0:1	< 1.5					AJ-310N

*In maximum open condition

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-200N	MN	AJ-20MN	FN	AJ-20FN
BNC*	0B	AJ-200B	MB	AJ-20MB	FB	AJ-20FB
TNC*	0T	AJ-200T	MT	AJ-20MT	FT	AJ-20FT

*Special order only