

## Limited Availability

- ◆ 30W - 45W Average Power
- ◆ Exceptional <-160 dBc PIM
- ◆ Range of Standard Values to 30 dB
- ◆ High Reliability
- ◆ RoHS Compliant
- ◆ IP67 for Indoor and Outdoor Applications
- ◆ N Connectors
- ◆ Delivery from stock

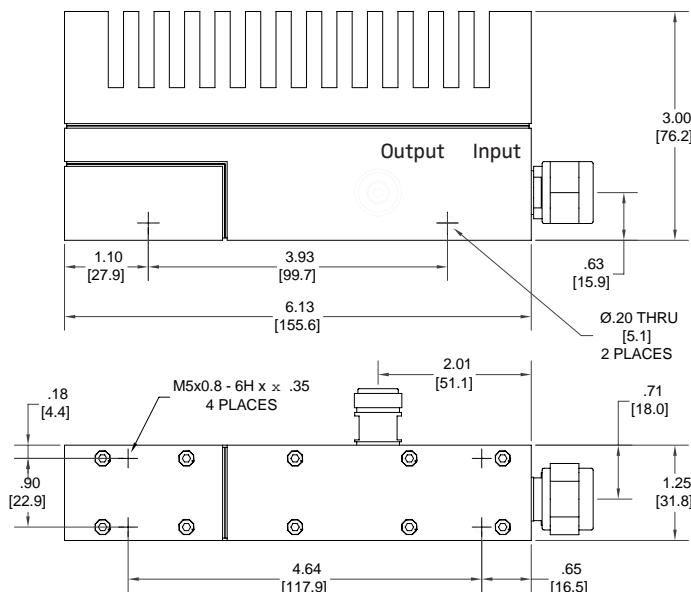


Microlab AY series of fixed Coaxial Attenuators is a taper based design for medium power wireless applications where low, guaranteed PIM performance is critical. Units are sealed to meet IP 67 for indoor or outdoor applications. The design is exceptionally rugged, and negligibly affected by changes in ambient temperature. Low PIM Attenuators with higher power ratings from 100 to 150W are available as the AZ series.

Units with other than standard attenuation values, and connector genders may be available to special order. (05/11)

Model/Connector N (m-f)	Attenuator N (f-f)	Attenuator Value	Attenuation Accuracy	Flatness	Input* VSWR	Input Power Avg. max.
AY-06N	AY-06FN	6.1 dB	±0.7 dB	±0.5 dB	<1.25:1	40W
AY-10N	AY-10FN	10.4 dB	±0.8 dB	±0.5 dB	<1.25:1	33W
AY-20N	AY-20FN	20 dB	±1.2 dB	±0.6 dB	<1.25:1	30W
AY-30N	AY-30FN	30 dB	±1.5 dB	±0.8 dB	<1.25:1	30W

\*Note that output VSWR is poor, see **FY series** for coupler based attenuators with good output VSWR



Frequency Range†:	698 -1400 & 1650- 2700 MHz
Impedance:	50Ω nominal
PIM (Intermod):	<-150 dBc (+43dBm x2) <-160 dBc typical
Peak Power:	3 kW
Environment:	-35° to +75°C*, IP67
Finish:	RoHS Compliant
Body	Passivated aluminum
Connectors:	Triplate, N
Mounting:	Optional brackets or using tapped holes
Weight, nominal:	32 oz, (0.91 kg)

\*Derate max power by -1.2%/°C above 55°C  
†Unit non operational in range 1.40 -1.65 GHz