

- ◆ 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



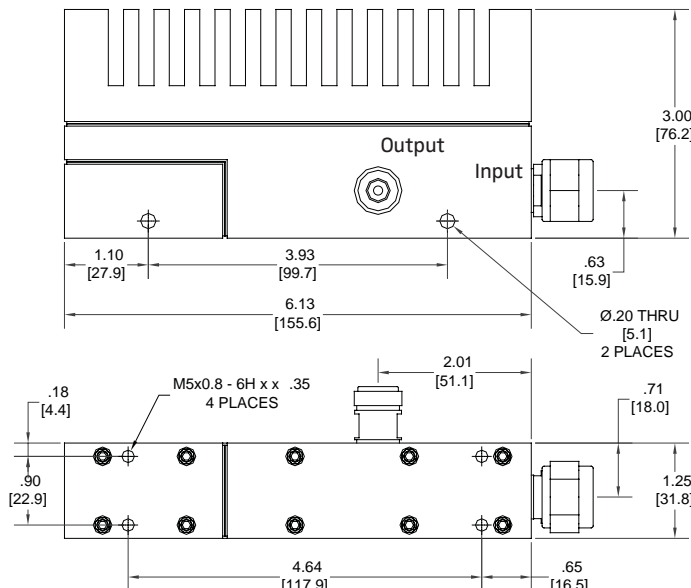
Microlab AY series of fixed Coaxial Attenuators is a tapper based design for medium power wireless applications where low, guaranteed PIM performance is critical. Units are sealed to meet IP 67 for indoor or outdoor applications.

The design is exceptionally rugged, and negligibly affected by changes in ambient temperature, but the tapper concept has a poor output VSWR and a break in the response between 1400 and 1650 MHz. Low PIM Attenuators with a higher power rating of 100W, no break in the response and a matched output VSWR are available as the FZ series.

Units with other than standard attenuation values, and connector genders may be available to special order. (01/13)

Model/Connector N (m-f)	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	$<1.3:1$	40W
AY-10N	AY-10FN	10.4 dB	± 0.8 dB	± 0.5 dB	$<1.3:1$	33W
AY-20N	AY-20FN	20 dB	± 1.2 dB	± 0.6 dB	$<1.3:1$	30W
AY-30N	AY-30FN	30 dB	± 1.5 dB	± 0.8 dB	$<1.3:1$	30W

*Note that output VSWR is poor, see FZ 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 $+75^{\circ}$ 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 $-1.2\%/^{\circ}$ C above 55° C

[†]Unit non operational in range 1.40 -1.65 GHz