

### Limited Availability

- ◆ 100W - 150W Average Power
- ◆ Exceptional <-160 dBc PIM
- ◆ Standard Values to 30 dB
- ◆ High Reliability
- ◆ RoHS Compliant
- ◆ IP67 for Indoor and Outdoor
- ◆ N or 7-16 DIN Connectors



Microlab AZ series of taper based fixed Coaxial Attenuators is designed for high 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 medium power ratings from 30 to 45W are available as the AY series. A 160W 3 dB attenuator is available using CT-84 series.

Units with other than standard attenuation values, or different connector genders are available to special order. (05/11)

Frequency Range, MHz<sup>†</sup>: 698-1400 & 1650-2700  
 Impedance: 50Ω nominal  
 PIM (Intermod): <-150 dBc (+43dBm x2)  
 <-160 dBc typical  
 Peak Power: 3 kW  
 Environment: -35° to +65°C\*, IP67  
 Finish: RoHS Compliant  
 Body: Passivated aluminum  
 Connectors: Triplate, N or 7-16 DIN  
 Weight, nominal: 110 oz, (3.1 kg)

\*Derate max power by -0.9%/°C above 25°C  
<sup>†</sup>Unit non operational in range 1.40 -1.65 GHz

Model/Connector N (m-f)	7-16 (m-f)	Attenuator Value	Attenuation Accuracy	Flatness	Input* VSWR	Input Power Avg. max.
AZ-06N	AZ-06D	6.1 dB	±0.7 dB	±0.5 dB	<1.30:1	133W
AZ-10N	AZ-10D	10.4 dB	±0.8 dB	±0.5 dB	<1.20:1	110W
AZ-15N	AZ-15D	15.1 dB	±1.0 dB	±0.6 dB	<1.20:1	100W
AZ-20N	AZ-20D	20 dB	±1.2 dB	±0.6 dB	<1.20:1	100W
AZ-30N	AZ-30D	30 dB	±1.5 dB	±0.8 dB	<1.20:1	100W

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

