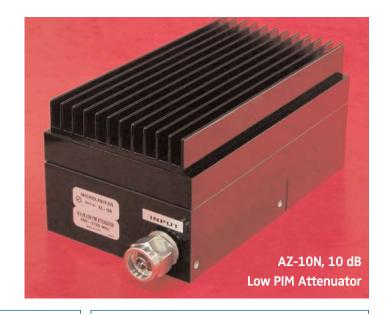
Low PIM Attenuators, FZ series



Fixed Coaxial Attenuators for Wireless Applications High Power, N & DIN, 698 - 2700 MHz

Proposed New Series with Low VSWR Input and Output

- ◆ 100W 110W Average Power
- ♦ Exceptional <-160 dBc PIM
- Conventional end to end input-output configuration
- Standard Values 10 & 20 dB
- ♦ High Reliability
- RoHS Compliant
- IP67 for Indoor and Outdoor
- ♦ N or 7-16 DIN Connectors
- ♦ Delivery from stock



Microlab FZ series of fixed Coaxial Attenuators is designed for high power wireless applications where low, guaranteed PIM performance is critical. Standard model is unidirectional with a conventional male input feeding to a female output on the opposite face of the attenuators. Other connector configurations are available to special order.

Units are sealed to meet IP67 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 40W are available as the FY series. A 160W 3 dB low PIM attenuator is available using CT-84 series. (06/11)

Frequency Range, MHz: 698 - 2700 Impedance: 50Ω nominal

PIM (Intermod): <-160 dBc (+43dBm x2)

<-165 dBc typical

Peak Power: 3 kW

Environment: -35° to +75°C*, IP67
Finish: RoHS Compliant
Body Passivated aluminum
Connectors: Triplate, N or 7-16 DIN
Weight, nominal: 7.7 lb, (3.5 kg)

*Derate max power by -1.2%/°C above 55°C

Attenuator	Model/Connector		Attenuation	Flatness	VSWR		Input Power	Outline
Value*, dB	N (m-f)	7-16 (m-f)	Accuracy		Input	Output	Avg. max.	Style
10	FZ-10N	FZ-10D	±0.8 dB	±0.5 dB	<1.20:1	<1.20:1	110W	TBD
20	FZ-20N	FZ-20D	±1.2 dB	±0.6 dB	<1.20:1	<1.20:1	100W	TBD
*Other values available to special order [†] <1.40:1 above 2,500 MHz								MHz