

## 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



**AZ-10N, 10 dB**  
**Low PIM Attenuator**

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 Value*, dB	Model/Connector		Attenuation Accuracy	Flatness	VSWR		Input Power Avg. max.	Outline Style
	N (m-f)	7-16 (m-f)			Input	Output		
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			