

Proposed New Series with Low VSWR Input and Output

- ◆ 30W - 33W 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 FY series of fixed Coaxial Attenuators is designed for medium 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 100 to 110W are available as the FZ 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:
 Body: Passivated aluminum
 Connectors: Triplate, N or 7-16 DIN
 Dimensions: 6.13 x 3.0 x 1.25 ins.
 Weight, nominal: 3.3 lb (1.5 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	FY-10N	FY-10D	±0.8 dB	±0.5 dB	<1.20:1	<1.20:1	33W	TBD
20	FY-20N	FY-20D	±1.2 dB	±0.6 dB	<1.20:1	<1.20:1	30W	TBD

* Other values available to special order.