

New series with Low Input and Output VSWR

- ◆ 80W - 133W Average Power
- ◆ Exceptional Low PIM
- ◆ Conventional end to end input-output configuration
- ◆ Standard Values 3, 6, 10, 15, 20 & 30 dB
- ◆ High Reliability
- ◆ RoHS Compliant
- ◆ IP67 for Indoor and Outdoor
- ◆ 7-16, 4.1-9.5 and N Connectors
- ◆ Delivery from stock



**FZ-06D, 6 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 models, except 3 dB, are unidirectional with a conventional male input feeding to a female output on the opposite face of the attenuators with no through DC path.

The 3 dB Attenuator has all female connectors, and also provides DC continuity by selecting input B, while selecting input A, the path is DC isolated. The unused port must be terminated with the supplied 2W termination. 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. (11/14_1)

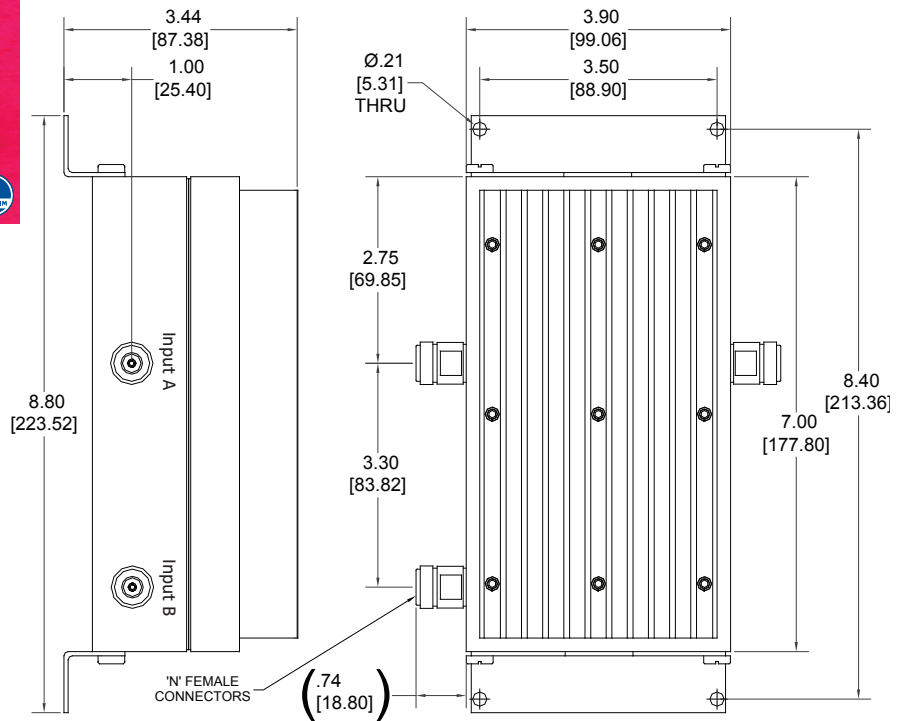
Frequency Range: 698 - 2700 MHz
Impedance: 50Ω nominal
PIM (Intermod): <-155 dBc (+43dBm x2)
-160 dBc typical
Peak Power: 3 kW
Environment: -35° to +75°C*, IP67
Finish: RoHS Compliant
Body Black Paint
Connectors: Triplate
Brackets: Supplied
2W Termination: Supplied with 3dB model
*Derate max power by -1.2%/°C above 55°C

Attenuator Value	Model/Connector						Attenuation Accuracy	VSWR In/Out	Power Rating	Body Style	Weight, nom	
	N(m-f)	N(f-f)	7-16(m-f)	7-16(f-f)	†4.1-9.5(m-f)	†4.1-9.5(f-f)					lbs.	kg.
3 dB	-	FZ-03FN	-	FZ-03FD	-	FZ-03FC	3 ± 0.5 dB	<1.20:1	80W	A	6.6	3.0
6 dB	FZ-06N	FZ-06FN*	FZ-06D	FZ-06FD*	FZ-06C	-	6.2 ± 1 dB	<1.25:1	133W	B	7.2	3.5
10 dB	FZ-10N	FZ-10FN*	FZ-10D	FZ-10FD*	FZ-10C	-	10 ± 1 dB	<1.25:1	110W	B	7.2	3.5
15 dB	FZ-15N	FZ-15FN*	FZ-15D	FZ-15FD*	FZ-15C	-	15 ± 1 dB	<1.25:1	100W	B	7.2	3.5
20 dB	FZ-20N	FZ-20FN*	FZ-20D	FZ-20FD*	FZ-20C	-	20 ± 1 dB	<1.25:1	100W	B	7.2	3.5
30 dB	FZ-30N	FZ-30FN*	FZ-30D	FZ-30FD*	FZ-30C	-	30 ± 1.3 dB	<1.25:1	100W	B	7.2	3.5

*Manufactured to order

†Mini-DIN connectors

Outline A, (3 dB Attenuator, FZ-03FN)



DC Path:

For a DC path through the 3 dB Attenuator connect signal to Input B, and apply supplied 2W termination to Input A. For DC isolation use input A and terminate Input B.

Outline B, shown for 7-16 DIN

