

- ◆ Multiple-Band Frequency  
PCS, UMTS, WiMAX, WiFi
- ◆ 500 Watt Average Power
- ◆ Minimal RF Insertion Loss
- ◆ High Reliability, IP67
- ◆ Low Specified PIM
- ◆ RoHS Compliant
- ◆ Low Cost Design



Microlab Model Dx-86FN series of 2, 3 and 4 way Power Splitters has been designed to evenly split high power cellular and WiMAX signals with minimal reflections or loss. All joints are moisture sealed to meet the IP67. The mechanical shape allows easy attachment to wall using the supplied clip and bracket.

The wide frequency range allows use with multiband antennas and leaky cable systems. With few solder joints and an air dielectric, the loss has been minimized and reliability enhanced. (02/09)

Impedance:	50Ω nominal
Power Rating:	500W avg, 3kW pk.
PIM, Passive IM:	<-150 dBc* (2 tones at +43 dBm)
Temperature:	-35°C to +75°C
Environment:	IP67, RoHS compliant
Finish: Connectors:	N (f), Triplate
Housing:	Passivated aluminum
Mounting:	Bracket & clip supplied
	*higher PIM performance to order

Model Number	No. of Ways	Frequency Band, MHz	Split Loss	Insertion Loss	Amplitude Balance, typ.	Input VSWR	Power Rating Avg Peak	Weight, nom. lbs. (kg)
D2-86FN	2	700 - 3800	3 dB	<0.15 dB	0.25dB	<1.20:1	500W 3 kW	0.55 (0.25)
D3-86FN	3	700 - 3800	4.8 dB	<0.15 dB	0.25dB	<1.25:1	500W 3 kW	0.7 (0.35)
D4-86FN	4	700 - 3800	6 dB	<0.15 dB	0.25dB	<1.25:1	500W 3 kW	0.85 (0.40)

