

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



Four Way Splitter D4-85FN

Microlab Model Dx-85FN series of 2, 3, 4, 5 and 6 way Power Splitters has been designed to evenly split high power cellular signals with minimal reflections or loss. All joints are moisture sealed to meet the IP67 rating. The design allows simple attachment to wall using the supplied bracket and clip.

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. Units also available with 7-16 mm DIN connectors. (01/09)

Impedance:	50Ω nominal
Power Rating:	500W avg, 3kW pk.
PIM, Passive IM:	<-150 dBc* (2 tones at +43 dBm)
Environment:	IP67, -35°C to +75°C 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)
D2-85FN	2	700 - 2700	3 dB	<0.05 dB	0.15dB	<1.15:1	500W 3 kW	0.60 (0.28)
D3-85FN	3	700 - 2700	4.8 dB	<0.05 dB	0.25dB	<1.15:1	500W 3 kW	0.65 (0.30)
D4-85FN	4	700 - 2700	6 dB	<0.05 dB	0.25dB	<1.25:1	500W 3 kW	0.70 (0.32)
D5-85FN	5	700 - 2700	7 dB	<0.05 dB	0.25dB	<1.30:1	500W 3 kW	0.75 (0.34)
D6-85FN	6	700 - 2700	7.8 dB	<0.05 dB	0.25dB	<1.30:1	500W 3 kW	0.80 (0.36)

### 2, 3 & 4 way Outlines



