

- ◆ 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

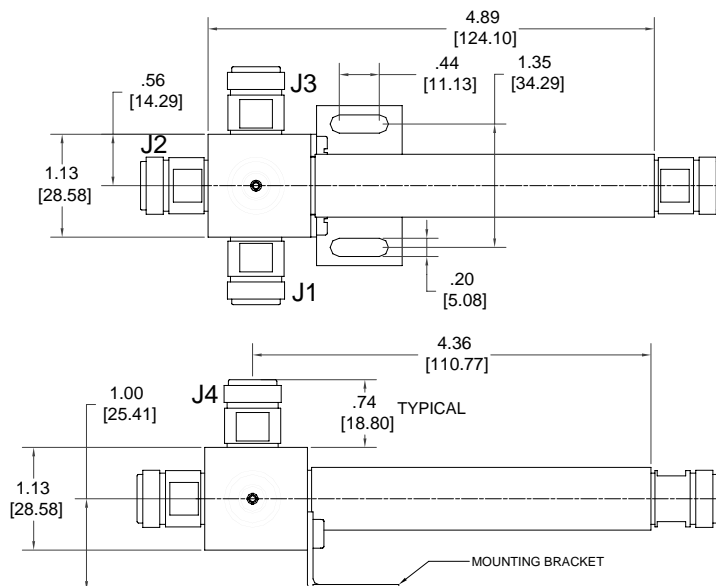


Microlab Model Dx-82FN series of 2, 3 and 4 way Power Splitters has been designed to evenly split PCS, UMTS, WiFi and WiMAX signals with minimal reflections or loss. All joints are moisture sealed with 'O' rings to meet IP67. The mechanical shape allows easy attachment to wall using the supplied bracket.

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. (01/09)

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

Model Number	No. of Ways	Frequency Band, GHz	Split Loss	Insertion Loss	Amplitude Balance, typ.	Input VSWR	Power Rating Avg Peak	Weight, nom. lbs. (kg)
D2-82FN	2	1.7 - 6.0	3 dB	<0.10 dB	0.25dB	<1.25:1	500W 3 kW	0.5 (0.23)
D3-82FN	3	1.7 - 6.0	4.8 dB	<0.15 dB	0.35dB	<1.25:1	500W 3 kW	0.7 (0.35)
D4-82FN	4	1.7 - 5.0 5.0 - 6.0	6 dB	<0.20 dB	0.50dB	<1.25:1 <1.30:1	500W 3 kW	0.85 (0.40)



Note: D2-82FN 2 way Splitter delete J2 & J4  
D3-82FN 3 way Splitter delete J4  
D4-82FN 4 way Splitter as drawn.

All dimensions are ± 0.06 inches  
unless otherwise noted.  
Dimensions in mm are for reference only