

- ◆ Covers commercial wireless mid-bands and Wi-Fi, CBRS, LTE-LAA
- ◆ 500 Watt Average Power
- ◆ Minimal RF Insertion Loss
- ◆ High Reliability, IP67
- ◆ Guaranteed Low PIM
- ◆ RoHS Compliant
- ◆ Low Cost Design



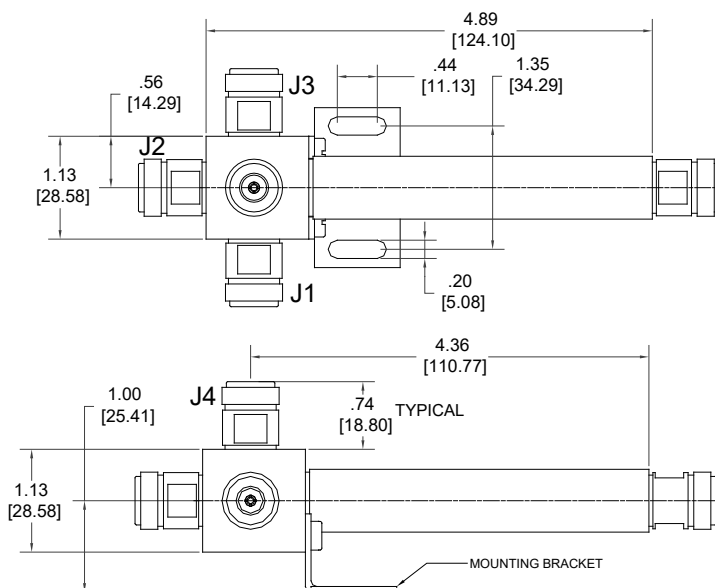
**D2-82FN**

Microlab Model Dx-82 series of 2, 3 and 4 way Power Splitters have been designed to evenly split commercial mid-bands and Wi-Fi, CBRS and LTE-LAA 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.

Impedance:	50Ω nominal
Power Rating:	500W avg, 3kW pk.
PIM, Passive IM:	-161 dBc (-118 dBm) (2 tones at +43 dBm)
DC Pass:	2 A, max. All ports
Environment:	-35°C to +75°C, IP67 RoHS compliant
Finish: Connectors:	4.3-10 & N-type (f)
Finish:	Silver Triplate
Housing:	Passivated aluminum
Mounting:	Bracket supplied

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



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

All dimensions are ± 0.06 inches unless otherwise noted.  
 Dimensions in inches [mm]

Note: Specifications are subject to change without prior notification.

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