Power Splitters, Dx-85FD series

2, 3 & 4 way Block & Tube Style, Reactive Dividers
Super wideband 698 - 2700 MHz, 7-16 DIN
Rev. D

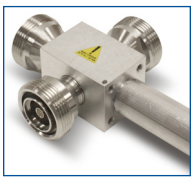
- Multi-Band Frequency Ranges Cellular, UMTS and WLAN
- 500 Watt Average Power
- Minimal RF Insertion Loss
- High Reliability
- IP67, RoHS compliant
- Low Specified PIM
- Low Cost, Low Weight Design

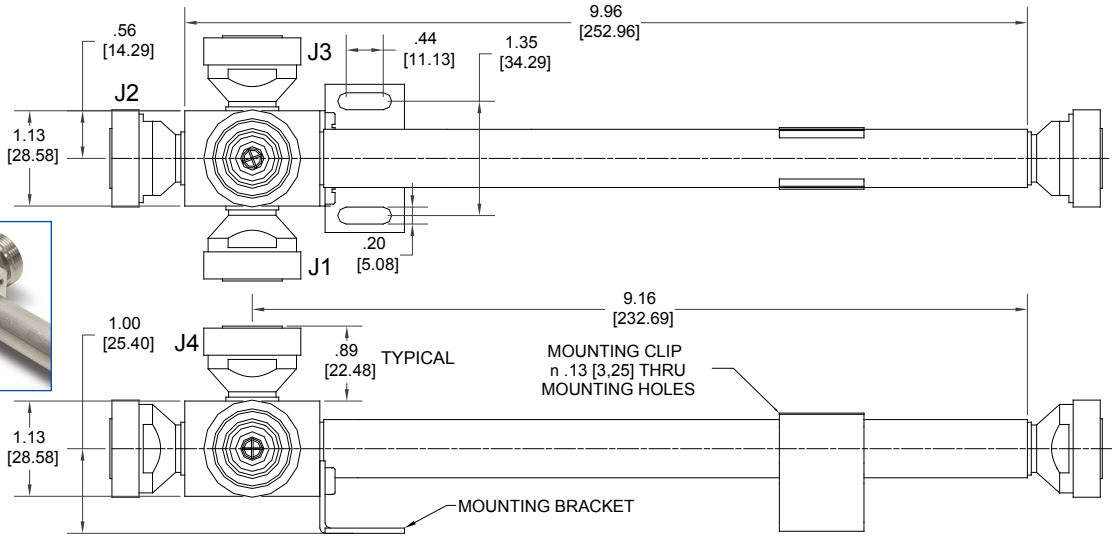
Microlab Model Dx-85FD series of 2, 3 and 4 way Power Splitters has been designed to evenly split high power cellular signals with minimal reflections and loss. Joints are moisture sealed with gaskets to meet IP67. The rugged, lightweight design can be easily attached to a wall with the supplied bracket 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 is minimized and reliability enhanced. Units also available with N, 4.1-9.5, and 4.3-10 connectors.

Impedance:		50Ω nominal
Power Rating:		500W avg, 3kW pk.
PIM, Passive IM:		-161 dBc (2 tones at +43 dBm)
Environment:		-35°C to +75°C, IP67 RoHS compliant
Finish:	Connectors:	7-16 (f), Silver or triplate
	Housing:	Passivated aluminum
Mounting:		Bracket and clip supplied

Model Number	No. of Ways	Frequency Band, MHz	Split Loss	Insertion Loss	Amplitude Balance, typ.	Input VSWR	Power Rating Avg	Power Rating Peak	Weight, nom. lbs.	Weight, nom. (kg)
D2-85FD	2	698 - 2700	3 dB	<0.05 dB	0.15dB	<1.15:1	500W	3 kW	0.85	(0.39)
D3-85FD	3	698 - 2700	4.8 dB	<0.05 dB	0.25dB	<1.15:1	500W	3 kW	1.00	(0.45)
D4-85FD	4	698 - 2700	6 dB	<0.05 dB	0.25dB	<1.25:1	500W	3 kW	1.15	(0.53)





Note: D2-85FD 2 way Splitter delete J3 & J4
D3-85FD 3 way Splitter delete J4
D4-85FD 4 way Splitter as drawn.

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

Note: Specifications are subject to change without prior notification.

23OCT2015

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