



## Reactive Splitter, Dx-83FE series

2/3/4 way Salt Fog Rated Reactive Power Splitters  
Ultra Wide-band, 617 - 5925 MHz, 4.3-10(f)

Rev. D

- ◆ Ultra-Wide band reactive Splitters for 5G NR-U
- ◆ 300 W Average Power
- ◆ Guaranteed Low PIM
- ◆ 30 day Salt Fog Tested
- ◆ IP67 Rated
- ◆ 4.3-10 Flange Connectors
- ◆ RoHS Compliant



Microlab Dx-83FE 2/3/4 way reactive Power Splitters have been designed to evenly split high power cellular signals with minimal reflections or loss. All joints are moisture sealed with o-rings to meet IP67 rating. The mechanical shape allows ease of mounting to the wall using the supplied brackets.

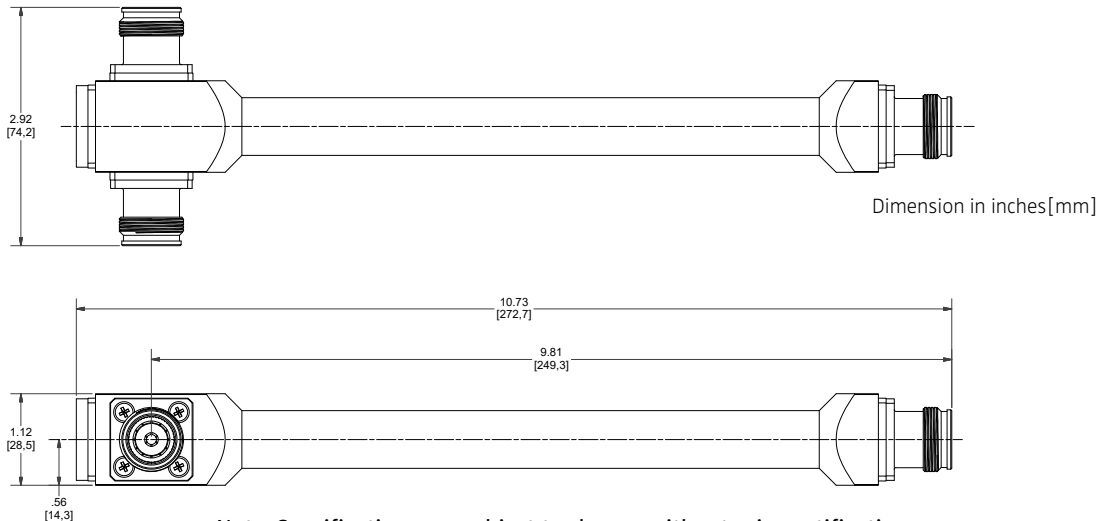
The ultra-wide frequency range allows use in 5G NR deployments with multiband antennas and leaky cable systems. With few solder joints and an air dielectric, the loss has been minimized and reliability enhanced.

Frequency Range:	617 - 5925 MHz
Impedance:	50Ω nominal
Power:	300W avg., 1kW peak
PIM:	-165 dBc (-122 dBm) typ. <-161 dBc (-118 dBm) (Test 2 tones @ +43 dbm @ Ambient)
Temperature:	-40°C to +75°C
Environment:	IP67, 30 days Salt Fog Tested ASTM B117 Compliant
RoHS:	Compliant
Finish, Connectors:	4.3-10 (f), Flange Triplate
Housing:	Passivated aluminum
Mounting:	Bracket provided
Weight:	D2-83FE: 0.7 lbs [0.3 kg] D3-83FE: 0.8 lbs [0.35 kg] D4-83FE: 1.0 lbs [0.45 kg]

Model No.	No. of Ways	Split Loss	Frequency (MHz)	Insertion Loss (dB)	Amplitude Balance (dB)	Input VSWR	Dimensions in [mm]
<b>D2-83FE</b>	2	3 dB	617-2700	<0.2	<0.2	1.20:1	10.73x2.92x1.12 [272.7x74.2x28.5]
			3100-4200	<0.3	<0.4	1.20:1	
			4900-5925	<0.5	<0.8	1.30:1	
<b>D3-83FE</b>	3	4.8 dB	617-2700	<0.2	<0.2	1.20:1	11.84x2.92x1.12 [300.7x74.2x28.5]
			3100-4200	<0.5	<0.7	1.20:1	
			4900-5925	<0.5	0.8 <sup>†</sup>	1.30:1	
<b>D4-83FE</b>	4	6 dB	617-2700	<0.25	<0.6	1.30:1	12.41x2.92x1.12 [315.2x74.2x28.5]
			3100-4200	<0.35	<0.6	1.30:1	
			4900-5925	0.5 <sup>*</sup>	0.8 <sup>†</sup>	1.35:1	

\* Insertion loss: 0.8 dB max., 0.5 dB typ.      † Amplitude Balance: 1.1db max, 0.8 dB typ.

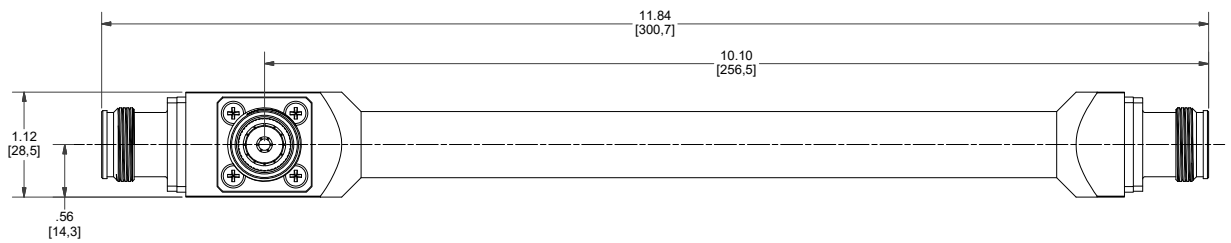
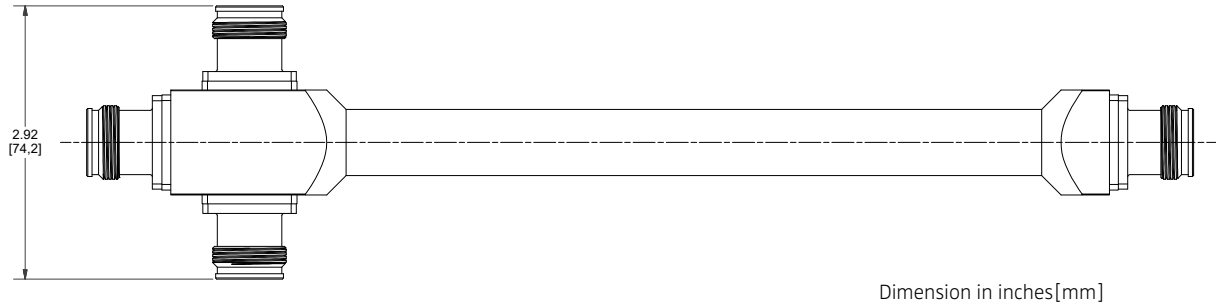
D2-83FE Outline



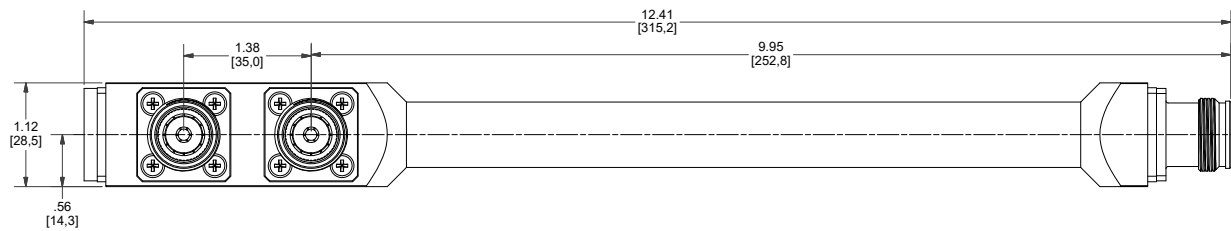
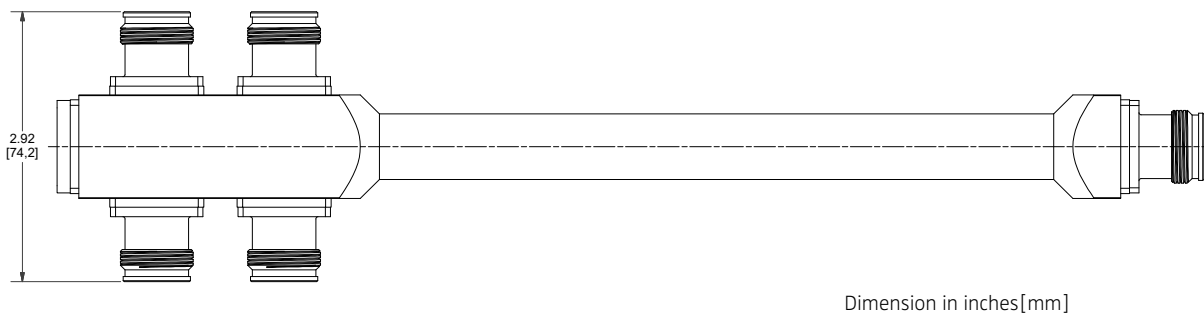
Note: Specifications are subject to change without prior notification.

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**D3-83FE Outline**



**D4-83FE Outline**



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