

- ◆ Wideband reactive splitters for TETRA & EMEA 5G wireless signal distribution
- ◆ 300 W Average Power
- ◆ Guaranteed Low PIM
- ◆ Minimal RF Insertion Loss
- ◆ IP67 Rated
- ◆ 4.3-10 & N-type Flange Connectors
- ◆ RoHS Compliant



Microlab Dx-28 series 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. The wide frequency range allows use in networks where TETRA and n78 5G wireless service are distributed to multiband antennas and leaky cable systems. With few solder joints and an air dielectric, the loss has been minimized and reliability enhanced.

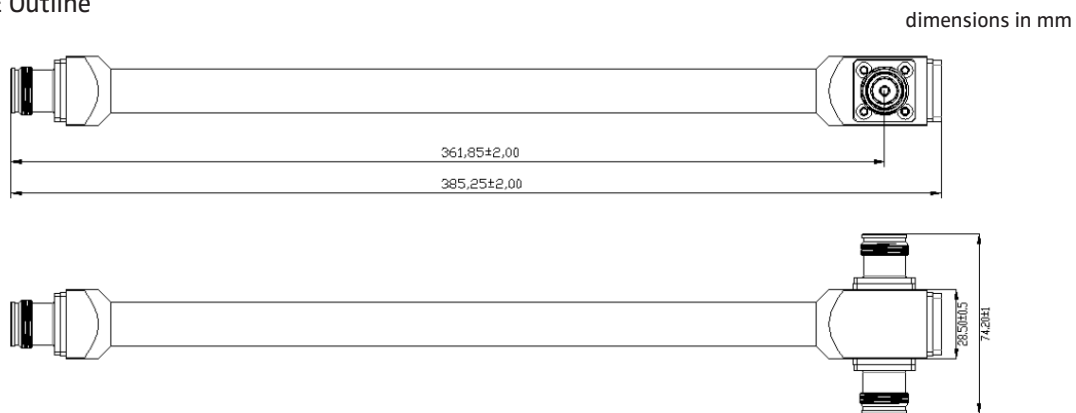
See Dx-83 splitter series for USA 5G NR n77 support.

Frequency Range:	350 - 3800 MHz
Impedance:	50Ω nominal
Power:	300W avg., 1kW peak
PIM:	<-161 dBc (-118 dBm) (Test with 2x +43 dbm tones @ Ambient)
Group Delay:	1.3ns
Temperature:	-40°C to +85°C
Environment:	IP67 Rated
RoHS:	Compliant
Finish, Connectors:	4-hole Flange Triplate
Housing:	Painted aluminum
Mounting:	Bracket provided
Weight:	2-way 0.79 lbs [358.3g] 3-way 0.93 lbs [421.8g] 4-way 1.21 lbs [548.8g]

Model No.		Split	Split Loss (dB)	Frequency (MHz)	Insertion Loss (dB)	Amplitude Balance (dB)	I/P Return Loss (dB)	Dimensions
4.3-10	*N-type							
D2-28FE	D2-28FN	2	3	350-3800	<0.25	<0.2	>19	15.17 x 2.92 x 1.12 in [385.3 x 74.2 x 28.5 mm]
D3-28FE	D3-28FN	3	4.8	350-1695	<0.25	<0.6	>19	17.52 x 2.92 x 1.12 in [444.9 x 74.2 x 28.5 mm]
				1695-3800		<0.8		
D4-28FE	D4-28FN	4	6	350-1695	<0.35	<0.45	>19	18.6 x 2.92 x 1.12 in [472.4 x 74.2 x 28.5 mm]
				1695-2700			>17	
				2700-3800			>16	

**in development*

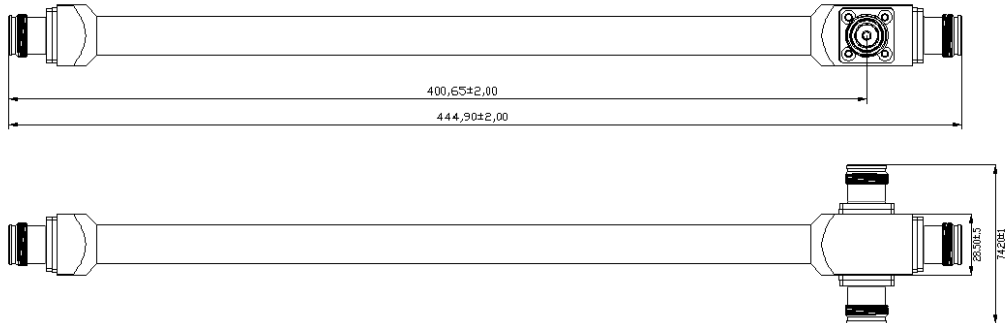
D2-28FE Outline



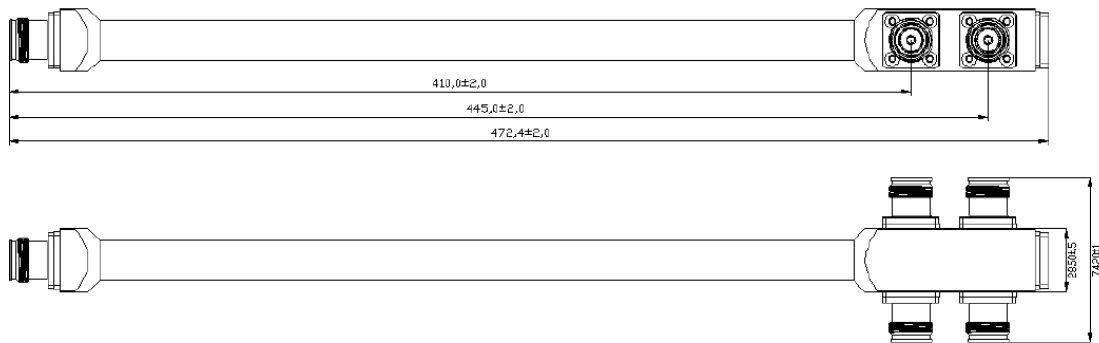
Note: Specifications are subject to change without prior notification.

10FEB2023

D3-28FE Outline



D4-28FE Outline



dimensions in mm

Note: Specifications are subject to change without prior notification.

Microlab, A Division of RF Industries, 25 Eastmans Road, Parsippany, NJ 07054

Tel: (862) 328-1101 • sales@microlabtech.com • www.microlabtech.com