

- ◆ Ultra-wide band for CBRS and LTE-LAA
- ◆ Split ratios from 1000:1 to 2:1
- ◆ Guaranteed Low PIM
- ◆ IP67 Rated
- ◆ 500 W Avg Power Rating
- ◆ Minimal RF Insertion Loss
- ◆ RoHS compliant



Model DN-44FN



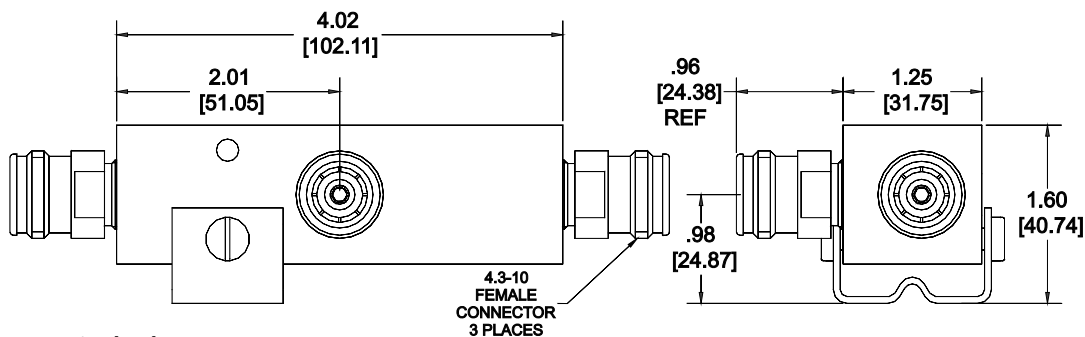
Microlab DN-x4FE series of Tappers unevenly split high power cellular signals in fixed ratios from 1000:1 to 2:1 with minimal reflections or loss over the key wireless bands in the range 350 - 5,930 MHz, (there is no coupling 1550 to 1650 MHz). The innovative asymmetric design ensures an excellent input VSWR and coupling flatness across the specified bands for improved DRAN coverage and capacity performance.

The lightweight design allows easy attachment to a wall using the supplied bracket. Designed with only a few solder joints and an air dielectric, loss is minimized and reliability enhanced. See DN-x4FN, DN-x4FD, and DN-x4FE series for similar Tappers with N, 7/16, and 4.3-10 connectors.

Frequency Bands: Bands specified below  
Dissipative Loss: <0.1 dB (main line)  
Power Rating: 500W avg., 3 kW peak  
Impedance: 50Ω nominal  
Intermod. (PIM): -161 dBc (-118 dBm)  
(2 tones at +43 dBm)  
Environment: IP67, -40°C to +85°C  
Connectors: 4.3-10 (f) trimetal  
Housing Finish: Passivated Aluminum  
Weight, nom: 14 oz (380 g)  
Mounting: Bracket supplied

Model Number	Ratio, nom. (dB Δ btwn Outputs)	Output Split Main/ Branch (dB)	Branch Flatness ref. to Input Level, incl Loss, dB										Input VSWR* max	
			350 - 380MHz	380 - 520MHz	617 - 960MHz	1710 - 2700MHz	3450 to 3500MHz	3500 - 4500MHz	4900- 5850MHz	5850 - 5930MHz	700 - 2500MHz	350 - 5930MHz		
DN-34FE	2:1/3.0dB	-1.8/-4.8	+0/-1.3	+0.3/-1.0	± 0.4	± 0.4	+0/-2.2	+0.1/-1.7	+0.4/-0.6	+0.4/-0.6	1.3:1	1.5:1		
DN-44FE	3:1/4.8dB	-1.3/-6.1	+0/-1.3	+0.3/-1.0	+0.3/-0.5	+0.4/-0.6	+0/-2.2	+0/-1.8	+0.4/-0.6	+0.4/-0.6	1.2:1	1.4:1		
DN-54FE	4:1/6.0dB	-1.0/-7.0	+0/-1.3	+0.3/-1.0	+0.3/-0.5	+0.4/-0.6	+0/-2.0	+0/-1.7	+0.4/-0.6	+0.4/-0.6	1.2:1	1.3:1		
DN-64FE	6:1/8.0dB	-0.7/-8.5	+0/-1.3	+0.2/-0.6	± 0.4	± 0.4	+0/-2.0	+0/-1.5	± 0.6	± 0.6	1.2:1	1.3:1		
DN-74FE	10:1/10dB	-0.4/-10.5	+0/-1.3	+0.3/-0.5	± 0.4	± 0.4	+0/-2.0	+0/-1.5	± 0.7	± 0.7	1.2:1	1.3:1		
DN-84FE	20:1/13dB	-0.2/-13.0	± 1.0	± 0.5	± 0.5	± 0.5	+0/-1.5	+0.2/-1.2	± 0.6	± 0.6	1.2:1	1.3:1		
DN-94FE	30:1/15dB	-0.1/-15.3	± 1.0	± 0.8	± 0.6	± 0.5	+0/-1.5	+0.2/-1.3	± 1.0	+0.8/-1.8	1.2:1	1.3:1		
DN-04FE	100:1/20dB	-0.1/-20.1	± 1.0	± 1.0	± 0.8	+0.2/-1.4	+1.8/-0.2	+2/-0	+4/-0	+6.0/-0	1.25:1	1.25:1		
DN-14FE	1000:1/30dB	-0.1/-30.1	± 1.5	± 1.5	+1.4/-0.2	+1.0/-0.5	+3.0/-0	+2.5/-0.5	+3/-1	+3/-1	1.2:1	1.3:1		

\*VSWR is not defined at 1550 - 1650 MHz



Dimensions in inches [mm]

Note: Specifications are subject to change without prior notification.

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