

- ◆ 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



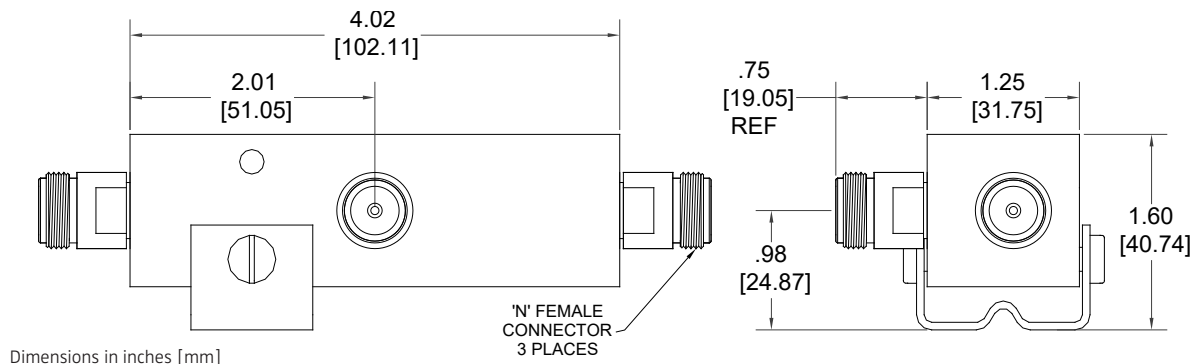
Microlab DN-x4FN series of Tappers unevenly split high power cellular signals in fixed ratios from 1000:1 to 2:1 with minimal reflections or loss over the key wireless bands in the range 350 - 5,930 MHz, (there is no coupling 1550 to 1650 MHz). The innovative asymmetric design ensures an excellent input 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-x4FE and DN-x4FD for similar Tappers with 4.3-10 and 7/16 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: N(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-34FN	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-44FN	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-54FN	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-64FN	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-74FN	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-84FN	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-94FN	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-04FN	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-14FN	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



Note: Specifications are subject to change without prior notification.

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