

## Now with coverage to 5,850 MHz

- ◆ Split ratios from 1000:1 to 2:1
- ◆ Tetra, PMR, Cellular, UMTS, WiFi & WiMAX
- ◆ Guaranteed Low PIM
- ◆ 500 W Avg Power Rating
- ◆ Minimal RF Insertion Loss
- ◆ RoHS compliant
- ◆ High Reliability, IP67


**DN-44FN 3:1 Tapper**

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 - 5,850 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, even down to a 2:1 split.

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-x4FD and DN-x4FC series for similar Tappers with 7-16 and 4.1-9.5 DIN connectors. (03/15)

Frequency Bands:	Bands specified below
Dissipative Loss:	<0.1 dB (main line)
Power Rating:	500W avg., 3 kW peak
Impedance:	50Ω nominal
Intermod. (PIM):	-155 dBc typical <-153 dBc, (2 x 20W)
Environment:	IP67, -35°C to +75°C
Connectors:	N(f) trimetal
Housing Finish:	Passivated Aluminum
Weight, nom:	14 oz (380 g)
Mounting:	Bracket supplied

Model Number	Ratio, nom. (dB Inequality between Outputs)	Output Split Main/Branch dB	Branch Flatness ref. to Input Level, incl Loss, dB								Input VSWR max.	
			350 - 380 MHz	380 - 520 MHz	698 - 960 MHz	1710 - 2700 MHz	3500 - 4500 MHz	4900 - 5850 MHz	700 - 2500 MHz	350 - 5850 MHz		
<b>DN-34FN</b>	2:1/3.0dB	-1.8/-4.8	+0/-1.3	+0.3/-1.0	± 0.3	± 0.3	+0/-1.5	± 0.4	1.3:1	1.4:1		
<b>DN-44FN</b>	3:1/4.8dB	-1.3/-6.1	+0/-1.3	+0.3/- 0.8	± 0.3	± 0.3	+0/-1.5	± 0.4	1.2:1	1.3:1		
<b>DN-54FN</b>	4:1/6.0dB	-1.0/-7.0	+0/-1.3	+0.3/-0.8	± 0.3	± 0.3	+0/-1.5	± 0.4	1.2:1	1.3:1		
<b>DN-64FN</b>	6:1/8.0dB	-0.7/-8.6	+0/-1.3	+0.3/-0.5	± 0.3	± 0.3	+0/-1.5	± 0.4	1.2:1	1.3:1		
<b>DN-74FN</b>	10:1/10dB	-0.4/-10.4	+0/-1.3	+0.3/-0.5	± 0.3	± 0.3	+0/-1.5	± 0.5	1.2:1	1.3:1		
<b>DN-84FN</b>	20:1/13dB	-0.2/-13.2	± 1.0	± 0.5	± 0.4	± 0.4	± 0.5	± 0.5	1.2:1	1.3:1		
<b>DN-94FN</b>	30:1/15dB	-0.1/-15.1	± 1.0	± 0.8	± 0.5	± 0.5	+0/-1.5	± 0.8	1.2:1	1.3:1		
<b>DN-04FN</b>	100:1/20dB	-0.1/-20.1	± 1.0	± 1.0	± 0.8	± 0.5	+2/-0	+4/-0	1.2:1	1.2:1		
<b>DN-14FN</b>	1000:1/30dB	-0.1/-30.1	± 1.0	± 1.5	± 0.8	± 0.5	+2/-1	+4/-0	1.2:1	1.2:1		

