

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



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 wireless bands in the range 350 - 2,700 MHz, (there is no coupling 1550 to 1650 MHz). The innovative asymmetric design ensures an excellent input VSWR and coupling flatness across the band, even down to a 2:1 split. If DC Continuity/AISG to the branch line is a requirement, see the DK-x4FN series.

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. (01/10)

Model Number	Output Split Ratio, nom. (dB Inequality between Outputs)	Outputs ref. to Input Level, incl Loss, dB		Input VSWR max.	
		Main/Branch dB	Branch Flatness	700-2500 MHz	350-2700 MHz
DN-34FN	2:1/3.0dB	-1.8/-4.8	+0.5/-0.8*	1.3:1	1.4:1
DN-44FN	3:1/4.8dB	-1.3/-6.1	± 0.7*	1.3:1	1.3:1
DN-54FN	4:1/6.0dB	-1.0/-7.0	± 0.7*	1.2:1	1.3:1
DN-64FN	6:1/8.0dB	-0.7/-8.6	± 0.8*	1.2:1	1.2:1
DN-74FN	10:1/10dB	-0.4/-10.4	± 1.0	1.2:1	1.2:1
DN-84FN	20:1/13dB	-0.2/-13.2	± 1.0	1.2:1	1.2:1
DN-94FN	30:1/15dB	-0.1/-15.1	± 1.25	1.2:1	1.2:1
DN-04FN	100:1/20dB	-0.1/-20.1	± 1.00	1.25:1	1.25:1
DN-14FN	1000:1/30dB	-0.1/-30.1	± 1.25	1.2:1	1.2:1

*In range 350 - 380 MHz Branch Flatness is ±1.0

Frequency Bands:	350 - 960 & 1,710 - 2,700 MHz.
Dissipative Loss:	0.1 dB max. (main line)
Power Rating:	500W avg., 3 kW peak
Impedance:	50Ω nominal
Intermod. (PIM):	<-150 dBc, (test with 2 x 20W tones)
Environment:	IP67, -35°C to +75°C
Connectors:	N(f) trimetal
Housing Finish:	Passivated Aluminum
Weight, nom:	14 oz (380 g)
Mounting:	Bracket supplied

