

Now with coverage to 5,850 MHz

- ◆ 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

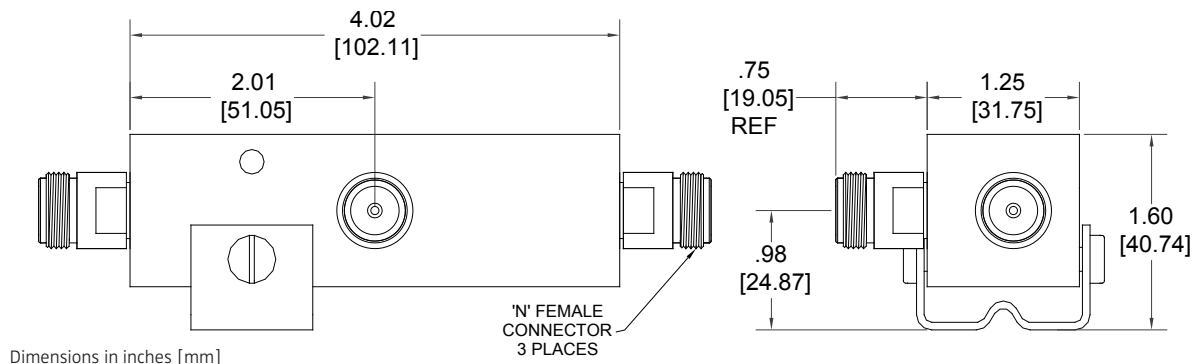


Microlab DN-x4FN series of Tappers unevenly split high power cellular signals in fixed ratios from 1000:1 to 2:1 with minimal reflections or loss over the key wireless bands in the range 350 - 5,850 MHz, (there is no coupling 1550 to 1650 MHz). The innovative asymmetric design ensures an excellent input 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, DN-x4FC, and DN-x4FE series for similar Tappers with 7-16, 4.1-9.5, 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 (2 tones at +43 dBm) |
| 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 | |
| DN-34FN | 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 | |
| DN-44FN | 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 | |
| DN-54FN | 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 | |
| DN-64FN | 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 | |
| DN-74FN | 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 | |
| DN-84FN | 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 | |
| DN-94FN | 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 | |
| DN-04FN | 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 | |
| DN-14FN | 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 | |



Note: Specifications are subject to change without prior notification.

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