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

<table>
<thead>
<tr>
<th>Model</th>
<th>Ratio, nom.</th>
<th>Output Split (dB Inequality Main/Branch between Outputs)</th>
<th>Branch Flatness ref. to Input Level, incl Loss, dB</th>
<th>Input VSWR max.</th>
</tr>
</thead>
<tbody>
<tr>
<td>DN-34FN</td>
<td>2:1/3.0dB</td>
<td>-1.8/-4.8</td>
<td>±0.4</td>
<td>1.3:1</td>
</tr>
<tr>
<td>DN-44FN</td>
<td>3:1/4.8dB</td>
<td>-1.3/-6.1</td>
<td>±0.4</td>
<td>1.2:1</td>
</tr>
<tr>
<td>DN-54FN</td>
<td>4:1/6.0dB</td>
<td>-1.0/-7.0</td>
<td>±0.4</td>
<td>1.2:1</td>
</tr>
<tr>
<td>DN-64FN</td>
<td>6:1/8.0dB</td>
<td>-0.7/-8.5</td>
<td>±0.4</td>
<td>1.2:1</td>
</tr>
<tr>
<td>DN-74FN</td>
<td>8:1/10dB</td>
<td>-0.4/-10.5</td>
<td>±0.4</td>
<td>1.2:1</td>
</tr>
<tr>
<td>DN-84FN</td>
<td>10:1/13dB</td>
<td>-0.2/-13.0</td>
<td>±0.4</td>
<td>1.2:1</td>
</tr>
<tr>
<td>DN-94FN</td>
<td>12:1/15dB</td>
<td>-0.1/-15.3</td>
<td>±0.4</td>
<td>1.2:1</td>
</tr>
<tr>
<td>DN-04FN</td>
<td>100:1/20dB</td>
<td>-0.1/-20.1</td>
<td>±0.4</td>
<td>1.2:1</td>
</tr>
<tr>
<td>DN-14FN</td>
<td>1000:1/30dB</td>
<td>-0.1/-30.1</td>
<td>±0.4</td>
<td>1.2:1</td>
</tr>
</tbody>
</table>

Note: Specifications are subject to change without prior notification.

Dimensions in inches [mm]

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

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