Tappers, DN-x4FD series

Multi-Band, Lightweight, Unequal Power Dividers
350 - 960 & 1710 - 2,700 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
- 7-16 mm DIN connectors

DN-44FD 3:1 Tapper

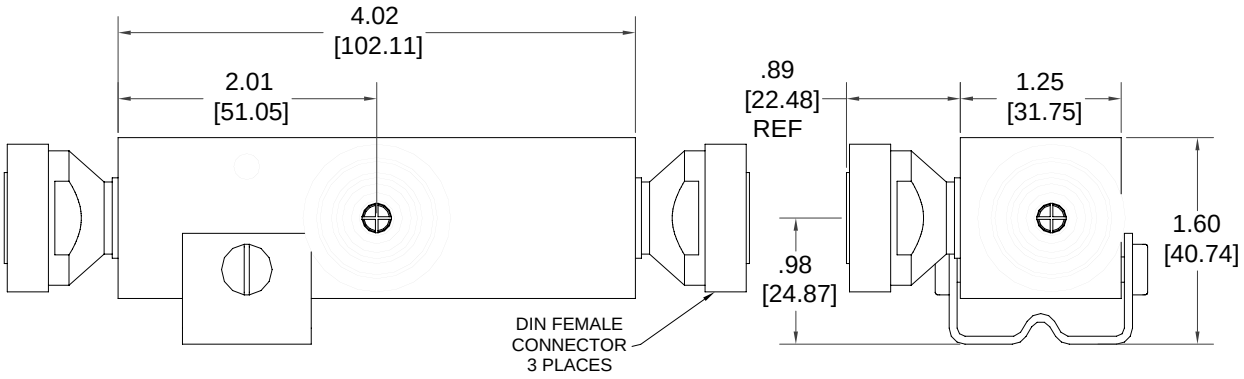
Microlab DN-x4FD series of Tappers unevenly split high power cellular signals in fixed ratios from 1000:1 to 2:1 with minimal reflections or loss over the wireless bands in the range 350 - 2,700 MHz, (there is no coupling 1550 to 1650 MHz). The innovative asymmetric design ensures an excellent input 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 DL-D 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. (07/09)

Model Number	Output Split Ratio, nom. (dB Inequality between Outputs)	Outputs ref. to Input Level, incl Loss, dB Main/Branch dB	Branch Flatness	Input VSWR max. 700-2500 MHz	350-2700 MHz
DN-34FD	2:1/3.0dB	-1.8/-4.8	+0.5/-0.8*	1.3:1	1.4:1
DN-44FD	3:1/4.8dB	-1.3/-6.1	±0.7*	1.3:1	1.3:1
DN-54FD	4:1/6.0dB	-1.0/-7.0	±0.7*	1.2:1	1.3:1
DN-64FD	6:1/8.0dB	-0.7/-8.6	±0.8*	1.2:1	1.2:1
DN-74FD	10:1/10dB	-0.4/-10.4	±1.0	1.2:1	1.2:1
DN-84FD	20:1/13dB	-0.2/-13.2	±1.0	1.2:1	1.2:1
DN-94FD	30:1/15dB	-0.1/-15.1	±1.25	1.2:1	1.2:1
DN-04FD	100:1/20dB	-0.1/-20.1	±1.25	1.2:1	1.2:1
DN-14FD	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:	7-16 mm (f) trimetal
Housing Finish:	Passivated Aluminum
Weight, nom:	17 oz (470 g)
Mounting:	Bracket supplied



Microlab, A Wireless Telecom Group Company, 25 Eastmans Road, Parsippany, NJ 07054
Tel: (973) 386-9696 • sales@microlab.fxr.com • www.microlab.fxr.com • Fax: (973) 386-9191