DC-Pass Tappers, DN-x3FN series

Public Safety, Unequal Dividers
350 - 960 MHz, N connectors
Rev. 3

Preliminary Specifications

- Split ratios from 100:1 to 2:1 with DC Pass feature
- Covers all Public Safety bands: UHF, TETRA, & PS 700/800/900
- 50 W Avg Power Rating
- Minimal RF Insertion Loss
- IP67 Rated
- RoHS compliant

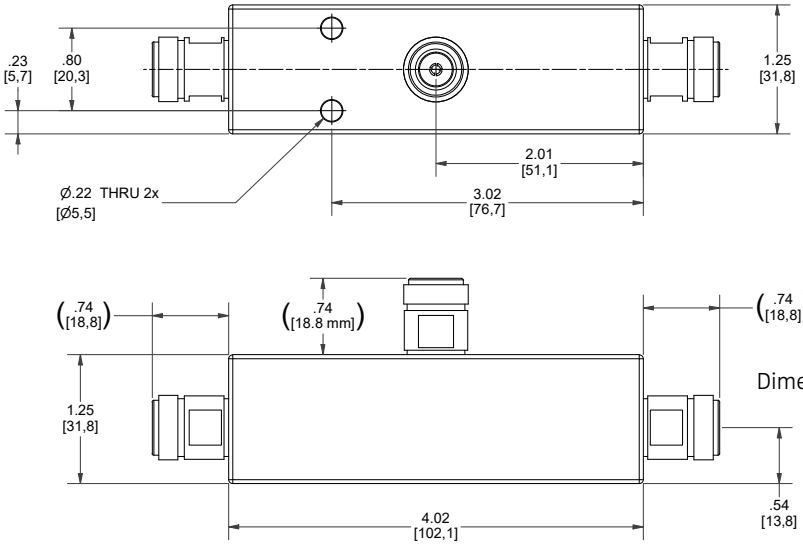
Microlab DN-x3FN tappers unevenly split high-power RF signals in fixed ratios from 100:1 to 2:1 with minimal reflections or loss. The Tappers cover UHF, TETRA, and 700 - 900 MHz Public Safety bands. The innovative asymmetric design ensures an excellent input VSWR and coupling flatness across the specified bands.

The lightweight design allows easy attachment to a wall using the supplied bracket. Microlab DN-x3FN Tappers are ideal for signal distribution networks where a DC pass is required to support DC power for critical communication network monitoring.

Frequency Bands:	350-960 MHz
Dissipative Loss:	<0.1 dB (main line)
Power Rating:	50 W avg., 1 kW peak
Impedance:	50 Ω nominal
DC Pass:	1 A max., All paths
Environment:	IP67, -35°C to +75°C
Connectors:	N(f), Triplate
Housing Finish:	Passivated Aluminum
Weight, nom:	14 oz (380 g)
Mounting:	Bracket supplied

Part No	Ratio, nom. / Δ Outputs,dB	Output Split dB	Coupling to Branch arm, dB		Input VSWR, max.
		Main/Branch	350-520	698-960	
DN-33FN	2:1/3	-1.8/-4.8	-5.1±0.6	-4.8±0.5	1.30:1
DN-53FN	4:1/6	-1.0/-7.0	-7.0±0.6	-6.5±0.5	1.25:1
DN-73FN	10:1/10	-0.4/-10.4	-10.1±0.7	-9.9±0.5	1.20:1
DN-93FN	30:1/15	-0.1/-15.1	-15.2±0.8	-15.4±0.5	
DN-03FN	100:1/20	-0.1/-20.1	-20.1±0.8	-20.1±0.8	

Mechanical Outline



Dimensions in inches [mm]

Note: Specifications are subject to change without prior notification.

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