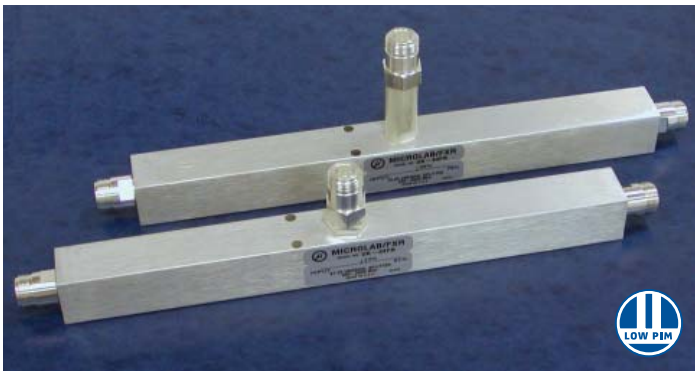
Unequal DC Path Splitters, DK-x4FN

Multi-Band, Unequal Power Dividers
DC Path to Branch, 800 - 2,500 MHz
Rev. A

Product Line Discontinued, but may be available to special order

- Splits in ratios from 10:1 to 2:1
- DC continuity in branch arm for remote power feeds
- 300W Avg, 1kW peak Power
- Minimal RF Insertion Loss
- High Reliability, IP67
- RoHS compliant



Microlab DK-x4FN series Unequal Power Splitters unevenly split high power cellular signals in ratios from 10:1 down to 2:1 with minimal reflections or loss over the whole 800 - 2,500 MHz band. The multi section transformers ensure a good input VSWR and flatness across the band for both main and branch lines. To facilitate remote signal cable powering of amplifiers and mini base stations, DC continuity is maintained to both main and branch lines.

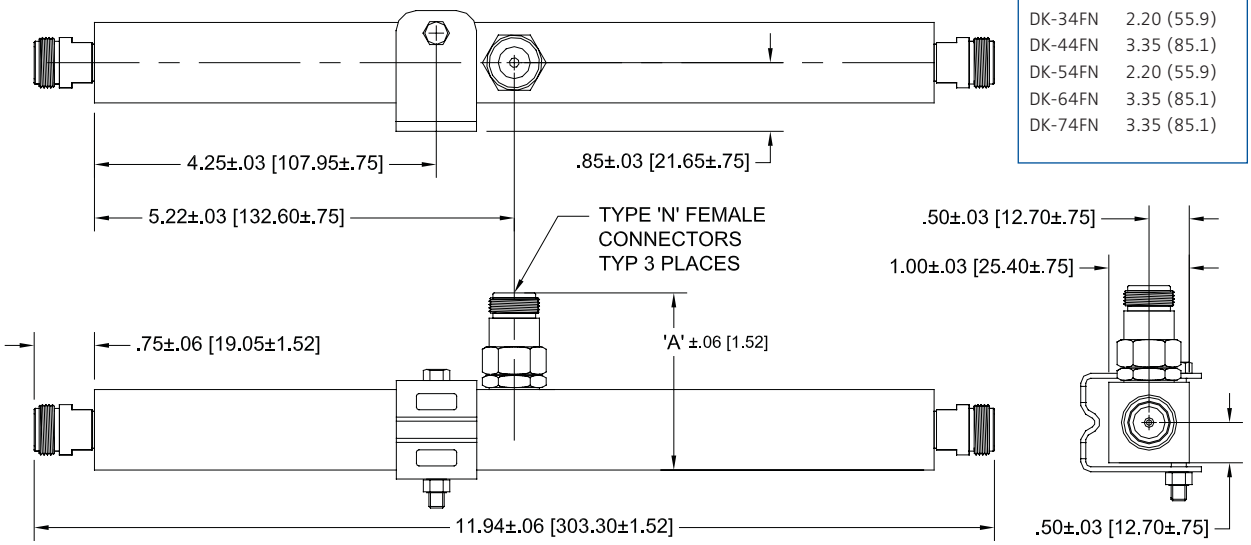
The mechanical shape allows simple attachment to a wall using the supplied bracket. Designed with only a few solder joints and an air dielectric, the loss is minimized and reliability enhanced. (01/13)

Model	Output Split Ratio, nom. (dB Inequality between Outputs)	Outputs ref. to Input Level, incl. Loss, dB Main/Branch	Flatness	Input VSWR max.	DC Path to Branch
DK-34FN	2:1 (3 dB)	-1.8/-4.8	± 0.6	1.30:1	Yes
DK-44FN*	3:1 (4.7 dB)	-1.3/-6.1	± 0.7	1.30:1	Yes
DK-54FN	4:1 (6 dB)	-1.0/-7.0	± 0.75	1.30:1	Yes
DK-64FN*	6:1 (8 dB)	-0.7/-8.6	± 0.8	1.30:1	Yes
DK-74FN	10:1 (10 dB)	-0.4/-10.4	± 1.0	1.30:1	Yes

*to special order only

Frequency Band:	800 - 2,500 MHz
Power Rating:	300W avg., 1 kW pk
Impedance:	50Ω nominal
Intermodulation (PIM):	<-150 dBc (test with 2 x 20W tones)
Environment:	-35 to +75°C, IP67
Connectors:	N type female
Finish: Housing:	Passivated Aluminum
Connectors:	Silver or triplate
Weight:	1.2 lbs.(0.55 kg) nom.
Mounting:	Bracket supplied

Dimension A	
DK-34FN	2.20 (55.9)
DK-44FN	3.35 (85.1)
DK-54FN	2.20 (55.9)
DK-64FN	3.35 (85.1)
DK-74FN	3.35 (85.1)



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