Unequal Splitters, DL-D series

Multi-Band, Lightweight, Unequal Power Dividers
DC Path to Branch Line, 800 - 2,500 MHz

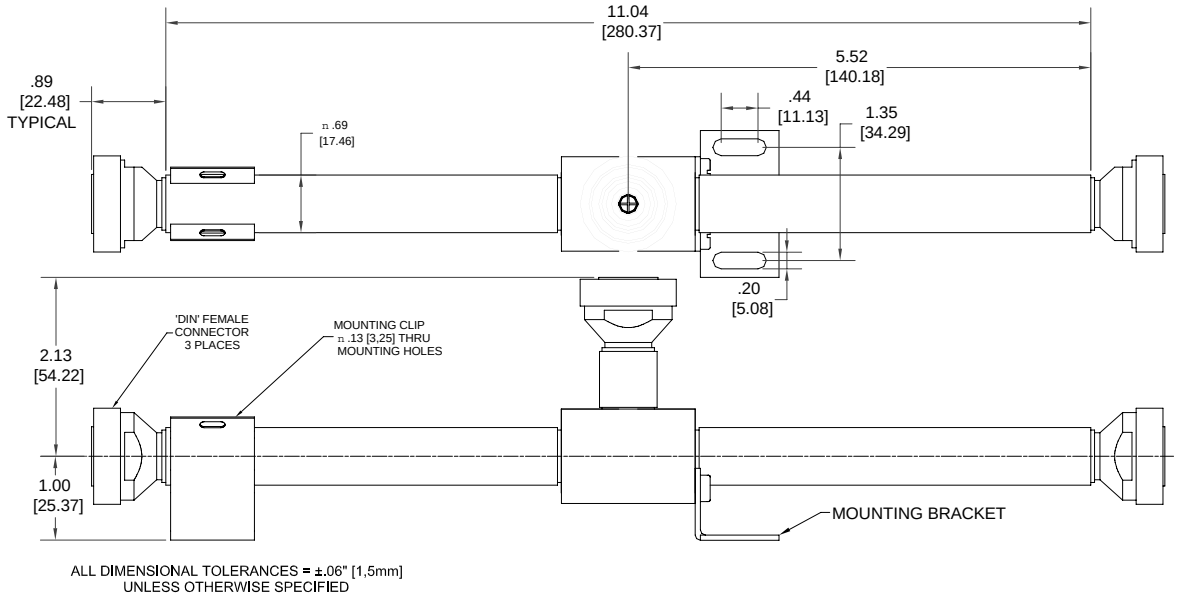
- Split ratios from 1000:1 to 2:1
- DC Continuity to Branch Line
- Low specified PIM
- 500 W Avg Power Rating
- Minimal RF Insertion Loss
- RoHS compliant
- High Reliability, IP67
- 7-16 mm DIN connectors

Microlab DL-D series Unequal Power Splitters unevenly split high power cellular signals in fixed ratios from 10:1 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 control of antennas, DC - 2MHz continuity is maintained to both main and branch lines on all units to meet A.I.S.G. requirements.

The lightweight design allows easy attachment to a wall using the supplied bracket and clip. Designed with only a few solder joints and an air dielectric, loss is minimized and reliability enhanced. (1/09)

Model Number	Output Split Ratio, nom. (dB Inequality between Outputs)	Outputs ref. to Input Level, incl Loss, dB Main/Branch dB	Branch Flatness	DC-2MHz Path to Branch Line
DL-34FD	2:1 (3 dB)	-1.8/-4.8	± 0.6	Yes
DL-44FD	3:1 (4.8 dB)	-1.3/-6.1	± 0.7	Yes

Frequency Band:	800 - 2,500 MHz.
Input VSWR:	1.30:1 max.
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:	16 oz (0.45 kg)
Mounting:	Bracket & Clip supplied



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