



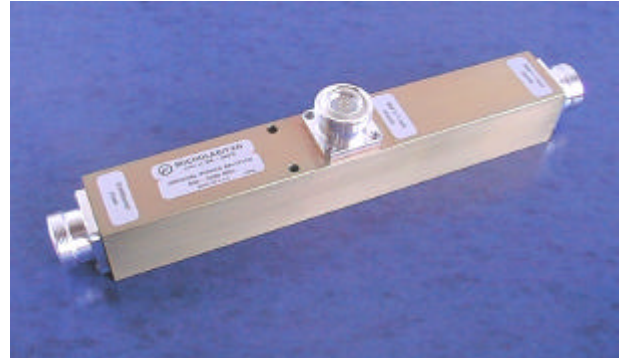
# MICROLAB/FXR

DK-34FD

# Unequal Splitters

Multi-Band, 2:1 Power Dividers  
7-16 mm DIN, 800 – 2,200 MHz

- ◆ Splits power in 2:1 Ratio
- ◆ DC continuity for remote power feeding
- ◆ Covers Cellular, PCS and UMTS Bands
- ◆ 500 Watt Average Power Rating
- ◆ Minimal RF Insertion Loss
- ◆ High Reliability
- ◆ 7-16 mm DIN Connectors



Microlab/FXR DK-series Unequal Power Splitters unevenly split high power cellular signals in the ratio of 2:1 with minimal reflections or loss over the whole 800 – 2200 MHz band. The multi section transformers ensure a good input VSWR and maximum 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 has been minimized and reliability enhanced. (11/01)

Model	Output Split Ratio (Inequality in dB)	Output ref. to Input, dB including Insertion Loss	
		Main Line	Branch
DK-34FD	2:1 (3 dB)	-1.8 ± 0.4	-4.8 ± 0.6

Frequency Band:	800 – 2200 MHz.
Input VSWR:	1.30:1 max.
Power Rating:	500W avg., 3 kW peak
Impedance:	50Ω nominal
Intermodulation (PIM):	< -140 dBc, With 2 x 20W tones
Temperature:	-35°C to +75°C
Connectors:	7-16 mm female
Finish: Housing:	Iridite Aluminum
Connectors:	Silver Plated

