



MICROLAB/FXR

DH series

Unequal Splitters

Multi-Band, Fixed Signal Taps
800 – 2,200 MHz

- ◆ Taps -10 or -15 dB power from main line
- ◆ Covers Cellular, PCS & UMTS Bands
- ◆ 300 Watt Average Power Rating
- ◆ Minimal RF Insertion Loss
- ◆ High Reliability
- ◆ N Connectors



Microlab/FXR DH series Unequal Power Splitters unevenly split high power cellular signals with minimal reflections or loss over the cellular, PCS and UMTS bands. Shown are models for the ratios of 90:10 and 97:3, equivalent to 10 and 15 dB taps. Similar models are available with split ratios from 6 to 20 dB.

These capacitively coupled power dividers are designed for in-building antenna and radiating cable systems. Their mechanical shape allows simple attachment to a wall using clips or straps. Designed with only a few solder joints and an air dielectric, the loss has been minimized and reliability enhanced.

See [DG series](#) for alternate Unequal Power Splitters which feature DC continuity. (2/01)

| Model Number | Split Ratio nom. | Output ref. to Input incl. Coupling/Insertion Loss | |
|--------------|------------------|--|---------------|
| | | Main Line | Branch |
| DH-10FN | 90:10 (10 dB) | -0.6 ± 0.3 dB | -10 ± 0.75 dB |
| DH-15FN | 97:3 (15 dB) | -0.4 ± 0.3 dB | -15 ± 1.0 dB |

| | |
|-----------------------|-----------------------------|
| Frequency Band: | 800 – 2200 MHz. |
| Input VSWR: | 1.15:1 max. |
| Connectors: | N female |
| Power Rating: | 150W avg., 1.5 kW peak |
| Impedance: | 50Ω nominal |
| Intermod. Distortion: | -140 dBc max. (2 x 43 dBm) |
| Temperature: | -35°C to +75°C |
| Finish: | Housing: Black powder paint |
| | Connectors: Silver Plated |

