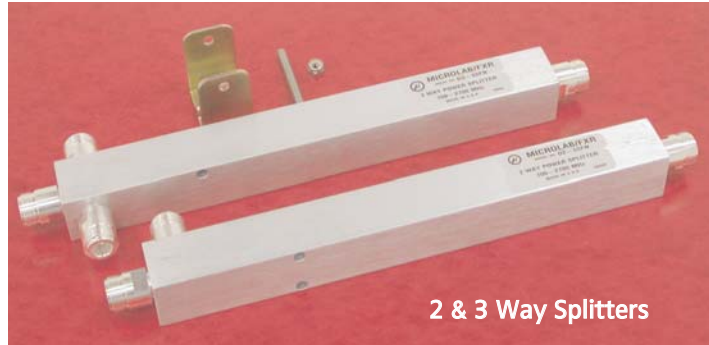


- ◆ Multiple-Band Frequency Bands
Tetra, Cellular and UMTS
- ◆ 500 Watt Average Power Rating
- ◆ Minimal RF Insertion Loss
- ◆ High Reliability, RoHS compliant
- ◆ N-female Connectors Standard
- ◆ Low Cost Design for ease
of mounting to pole or wall



Microlab Model Dx-51/55FN series of 2, 3 and 4 way Power Splitters has been designed to evenly split high power cellular signals with minimal reflections or loss. The wide frequency range allows use with multiband antennas and leaky cable systems.

With few solder joints and an air dielectric, the loss has been minimized and reliability enhanced. Similar splitters with 7-16 mm connectors are available as Dx-85/88FD series. (04/10)

| | |
|------------------------|-----------------------------------|
| Impedance: | 50Ω nominal |
| PIM, Passive Intermod: | <-150 dBc (2 tones at +43 dBm) |
| Temperature: | -35°C to +75°C |
| Environment: | IP65 |
| Finish: Connectors: | Silver or triplate |
| Housing: | Passivated aluminum |
| Mounting Bracket: | Supplied |

| Model Number | No. of Ways | Frequency Band, MHz | Split Loss | Insertion Loss | Amplitude Balance, typ. | Input VSWR | Power Rating Avg | Power Rating Peak | Weight, nom. lbs. (kg) |
|--------------|-------------|---------------------|------------|----------------|-------------------------|------------|------------------|-------------------|------------------------|
| D2-51FN | 2 | 380 - 2200 | 3 dB | <0.05 dB | 0.15 dB | <1.25:1 | 500W | 3 kW | 1.0 (0.45) |
| D2-55FN | 2 | 698 - 2700 | 3 dB | <0.05 dB | 0.15 dB | <1.15:1 | 500W | 3 kW | 1.0 (0.45) |
| D3-51FN | 3 | 380 - 2200 | 4.8 dB | <0.05 dB | 0.25dB | <1.25:1 | 500W | 3 kW | 1.1 (0.50) |
| D3-55FN | 3 | 698 - 2700 | 4.8 dB | <0.05 dB | 0.25 dB | <1.15:1 | 500W | 3 kW | 1.1 (0.50) |
| D4-55FN | 4 | 698 - 2700 | 6 dB | <0.05 dB | 0.15 dB | <1.15:1 | 500W | 3 kW | 1.2 (0.55) |

