

- ◆ Multi-Band Frequency Ranges
Cellular, UMTS and WLAN
- ◆ 500 Watt Average Power
- ◆ Minimal RF Insertion Loss
- ◆ High Reliability
- ◆ IP67, RoHS compliant
- ◆ Low Specified PIM
- ◆ Low Cost, Low Weight Design



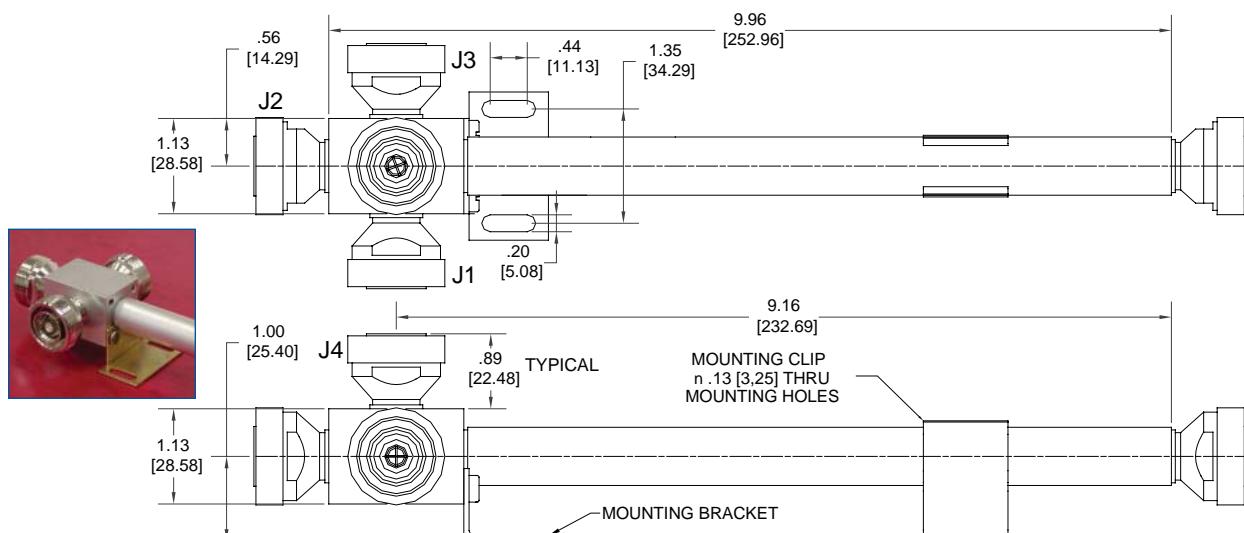
Microlab Model Dx-85FD series of 2, 3 and 4 way Power Splitters has been designed to evenly split high power cellular signals with minimal reflections and loss. Joints are moisture sealed with gaskets to meet IP67. The rugged, lightweight design can be easily attached to a wall with the supplied bracket and clip.

The wide frequency range allows use with multiband antennas and leaky cable systems. With few solder joints and an air dielectric, the loss is minimized and reliability enhanced. Other connectors are available top order. (01/13)

Impedance: 50Ω nominal
 Power Rating: 500W avg, 3kW pk.
 PIM, Passive IM: <-150 dBc*
 (2 tones at +43 dBm)
 Environment: -35°C to +75°C, IP67
 RoHS compliant
 Finish: Connectors: 7-16 (f), Silver or triplate
 Housing: Passivated aluminum
 Mounting: Bracket and clip supplied

*Higher PIM performance to order

| 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) |
|----------------|-------------|---------------------|------------|----------------|-------------------------|------------|------------------|-------------------|------------------------|
| D2-85FD | 2 | 698 - 2700 | 3 dB | <0.05 dB | 0.15dB | <1.15:1 | 500W | 3 kW | 0.85 (0.39) |
| D3-85FD | 3 | 698 - 2700 | 4.8 dB | <0.05 dB | 0.25dB | <1.15:1 | 500W | 3 kW | 1.00 (0.45) |
| D4-85FD | 4 | 698 - 2700 | 6 dB | <0.05 dB | 0.25dB | <1.25:1 | 500W | 3 kW | 1.15 (0.53) |



Note: D2-85FD 2 way Splitter delete J3 & J4
 D3-85FD 3 way Splitter delete J4
 D4-85FD 4 way Splitter as drawn.

All dimensions are ± 0.06 inches
 unless otherwise noted.
 Dimensions in mm are for reference only