

- ◆ Dual Band Frequency Ranges  
Tetra & Cellular to 960 MHz  
useable down to 88 MHz
- ◆ High Average Power Rating
- ◆ Minimal RF Insertion Loss
- ◆ High Reliability
- ◆ RoHS compliant



Microlab Model D2-12FN two way reactive Power Splitters have been designed to evenly split high power cellular signals with minimal reflections or loss. Designed primarily for operation in the 380 to 960 MHz band, the performance is often adequate for frequencies down to 88 MHz. Their reactive design employs no resistors eliminating their contribution to PIM and the potential of their damage. Its mechanical shape allows simple attachment to pole or wall using a spring clip accessory. Units are designed to be weatherproof to IP65, for indoor and outdoor applications.

The wide frequency ranges of these models allow use with multiband antennas and leaky cable systems. With few solder joints and an air dielectric, the loss is minimal and reliability enhanced. (4/10)

Model	Ways	Frequency Range, MHz	Split Loss	Insertion Loss	Amplitude Balance, typ.	Input VSWR	Max. Power Avg.	Peak	Weight nominal
D2-12FN	2	380 - 960	3 dB	<0.05 dB	0.1 dB	<1.15:1	350W	2.0 kW	10 oz. (280 g)

**Frequency Range:** 380 to 960 MHz  
**Input VSWR:** 1.20:1 max  
**Split Loss:** 3.0 dB nominal  
**Dissipative Loss:** 0.1 dB max.  
**Power Rating:** 350 W avg., 2 kW pk.  
**Impedance:** 50W nominal  
**Intermod., PIM:** <-150 dBc max.  
 (2 tones @ +43 dBm)  
**Environment:** -35° to +75°C, IP65  
**Applications:** Indoor or Outdoor  
**Finish:** RoHS, Black paint  
**Mounting:** Clip supplied  
**Weight:** 10 oz. (280 g) nom.

