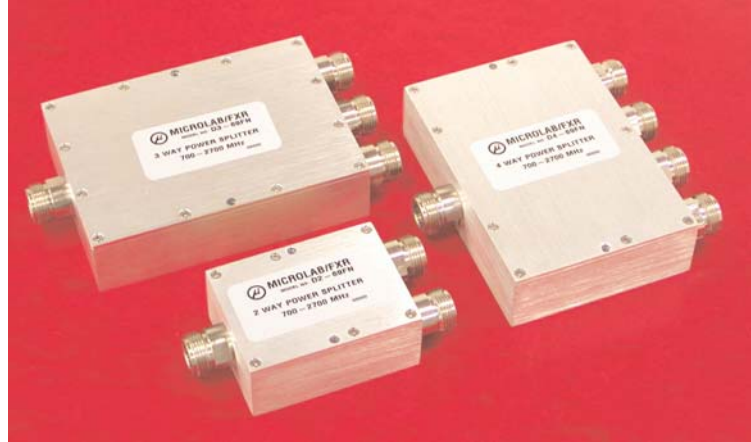


### \$ Saver Product

- ◆ 698 - 2,700 MHz Multi-Band Frequency Range
- ◆ 5 & 10 W Power Rating
- ◆ Low RF Insertion Loss
- ◆ 20 dB Isolation
- ◆ RoHS compliant
- ◆ Low Cost N Design



Microlab Model Dx-69FN series of Wilkinson style Power Dividers has been designed for low power applications where output isolation is preferable over lowest possible loss. The wide frequency range of this design allows use with multiband antennas and leaky cable systems.

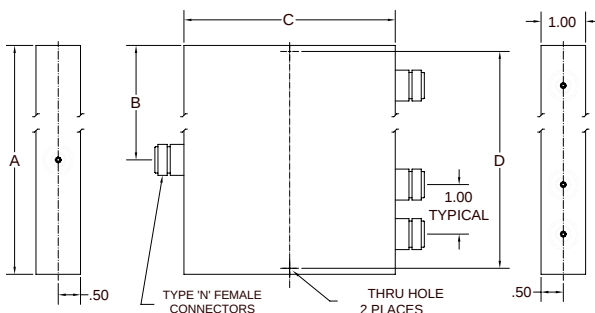
Lower loss dividers which enhance receive sensitivity and preserve transmitted power are available in the reactive splitters such as Dx-55FN and Dx-85FD series. (04/10)

Bandwidth: 698 - 2,700 MHz  
Impedance: 50Ω nominal  
Environment: -30 to +60°C, Indoor  
Housing: Passivated Aluminum  
Connectors: N (f) triplate

| Model Number | No. of Ways | Split Loss | Output Isolation | Insertion Loss, max. | Amplitude Balance | VSWR All Ports | Power Rating* |
|--------------|-------------|------------|------------------|----------------------|-------------------|----------------|---------------|
| D2-69FN      | 2           | 3 dB       | >20 dB           | 0.4 dB               | <0.3 dB           | <1.25:1        | 10W avg.      |
| D3-69FN      | 3           | 4.8 dB     | >20 dB           | 0.5 dB               | <0.6 dB           | <1.30:1        | 5W avg.       |
| D4-69FN      | 4           | 6 dB       | >20 dB†          | 0.6 dB               | <0.3 dB           | <1.25:1        | 10W avg.      |
| D6-69FN      | 6           | 7.8 dB     | >20 dB           | 1.0 dB               | <0.8 dB           | <1.40:1        | 5W avg.       |
| D8-69FN      | 8           | 9 dB       | >20 dB           | 1.0 dB               | <0.8 dB           | <1.40:1        | 5W avg.       |

†>20 dB 800 - 2500 MHz; >19 dB 698 - 2700 MHz

\*Used as divider into load(s) with VSWR <1.2:1



#### Dimensions and Weight: Inches (mm); Wt: oz (g) nom.

|     | D2-69FN    | D3-69FN    | D4-69FN    | D6-69FN      | D8-69FN      |
|-----|------------|------------|------------|--------------|--------------|
| A   | 1.81 (46)  | 2.91 (74)  | 4.00 (101) | 6.50 (165)   | 8.36 (212)   |
| B   | 0.91 (23)  | 1.46 (37)  | 2.00 (51)  | 3.25 (83)    | 4.18 (106)   |
| C   | 2.40 (61)  | 4.06 (103) | 2.80 (71)  | 5.95 (151)   | 4.80 (122)   |
| D   | 1.61 (41)  | 2.71 (69)  | 3.82 (97)  | 6.15 (156)   | 8.05 (204)   |
| Ø   | 0.12 (3.0) | 0.12 (3.0) | 0.12 (3.0) | 0.12 (3.0)   | 0.12 (3.0)   |
| Wt. | 6.6 (185)  | 14.8 (415) | 15.2 (395) | 38.4 (1.10k) | 41.1 (1.15k) |