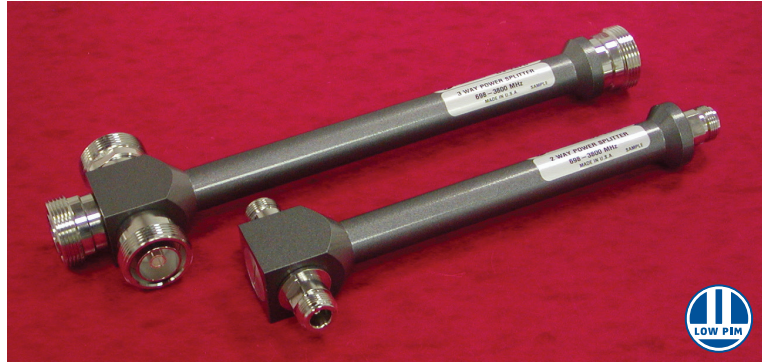


\$ Saver Product Line

- ◆ Multiple-Band Frequency
PCS, UMTS, WiMAX, WiFi
- ◆ Up to 500 W Average Power
- ◆ Minimal RF Insertion Loss
- ◆ High Reliability, IP67
- ◆ Low Specified PIM
- ◆ RoHS Compliant
- ◆ Low Cost Design

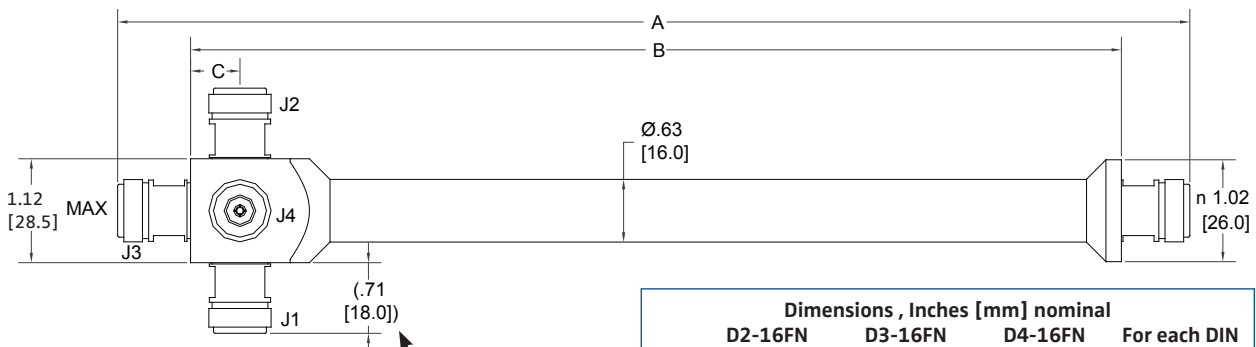


Microlab Model Dx-16 series of 2, 3 and 4 way Power Splitters has been designed to evenly split high power cellular and WiMAX signals with minimal reflections or loss. All joints are moisture sealed to meet the IP67. The mechanical shape allows easy attachment to wall using the supplied clips.

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. Units are available with either N or 7-16 mm connectors. (01/14)

Frequency Range: 698 - 3800 MHz
 Impedance: 50Ω nominal
 Power Rating, 7-16: 500W avg.
 Power Rating, N: 300W avg.
 PIM, Passive IM: <-153 dBc
 (2 tones at +43 dBm)
 Temperature: -35°C to +85°C
 Environment: IP67, RoHS compliant
 Finish: Connectors: N or 7-16 (f), Triplate
 Housing: Passivated aluminum
 Mounting: 2 Clips supplied

| Model No/Connectors | No. of Ways | Split Loss | Insertion Loss | | Input VSWR | Weight, oz [g] nom. | |
|-------------------------------|-------------|------------|----------------|-----------|------------|---------------------|------------|
| | | | 698-2500 | 2500-3800 | | N | 7-16 |
| D2-16FN D2-16FD | 2 | 3 dB | <0.1 dB | <0.2 dB | <1.20:1 | 7.5 [210] | 10.4 [290] |
| D3-16FN D3-16FD | 3 | 4.8 dB | <0.1 dB | <0.2 dB | <1.25:1 | 8.9 [250] | 12.9 [360] |
| D4-16FN D4-16FD | 4 | 6 dB | <0.1 dB | <0.2 dB | <1.30:1 | 10.0 [280] | 15.0 [420] |



Note: 2 way Splitter delete J3 & J4
 3 way Splitter delete J4
 4 way Splitter as drawn.

This dimension with 7-16 mm connectors is 0.78 [19.7] nom.

| | Dimensions, Inches [mm] nominal | | | |
|----------|---------------------------------|-------------|-------------|--------------|
| | D2-16FN | D3-16FN | D4-16FN | For each DIN |
| A | 8.19 [208] | 10.2 [258] | 10.2 [258] | +0.067 [1.7] |
| B | 7.50 [190] | 8.74 [222] | 8.74 [222] | same as N |
| C | 0.56 [14.2] | 0.56 [14.2] | 0.56 [14.2] | same as N |