



# Power Dividers

## 10-960 MHz

Power dividers are grouped into Hybrid/Wilkensen and Stripline designs. Hybrid designs are characterized by port-to-port isolation of 20 dB or more and are typically used in receiver multicoupler or low power signal booster applications. Stripline splitters have no port-to-port isolation and are most typically used to feed transmitter power to multiple antennas for phased arrays or similar applications. The models below are characterized by low-loss above the splitting loss and wide bandwidths. N connectors are standard.

| Number of Ports | Model     | Frequency Range (MHz) | Splitting Loss (dB) | VSWR   | Port-port Isolation (min) | RF Power Max. Input | Connectors | Dimensions (less conn.), HWD                       |
|-----------------|-----------|-----------------------|---------------------|--------|---------------------------|---------------------|------------|--|
| 2               | 84-01-09* | 10-512                | 3.5-3.8             | 2.0:1  | None                      | 125W                | N female   | 1.75" x 5.25" x 2.50"<br>(44.5 x 133.3 x 63.5 mm)  |
| 2               | 84-01-11  | 25-512                | 3.6                 | 1.5:1  | 20 dB                     | 1W                  | N female   | 1.02" x 2.00" x 2.37"<br>(25.9 x 50.8 x 60.2 mm)   |
| 4               | 84-01-12  | 25-512                | 7.4                 | 1.5:1  | 20 dB                     | 1W                  | N female   | 1.02" x 4.25" x 2.37"<br>(25.9 x 108.0 x 60.2 mm)  |
| 2               | 84-37-01* | 144-174               | 3.2                 | 1.15:1 | None                      | 800W                | N female   | 1.75" x 5.25" x 2.50"<br>(44.5 x 133.3 x 63.5 mm)  |
| 4               | 84-37-02  | 132-174               | 6.2                 | 1.15:1 | None                      | 1000W               | N female   | 2.00" x 19.00" x 2.75"<br>(50.8 x 482.6 x 69.9 mm) |
| 2               | 84-58-01* | 350-520               | 3.2                 | 1.15:1 | None                      | 500W                | N female   | 1.75" x 5.25" x 2.50"<br>(44.5 x 133.3 x 63.5 mm)  |
| 4               | 84-58-02  | 350-520               | 6.4                 | 1.15:1 | None                      | 1000W               | N female   | 2.00" x 19.00" x 2.75"<br>(50.8 x 482.6 x 69.9 mm) |
| 2               | 84-83-01  | 746-960               | 3.2                 | 1.5:1  | 20 dB                     | 1W                  | N female   | 1.02" x 2.00" x 2.37"<br>(25.9 x 50.8 x 60.2 mm)   |
| 4               | 84-83-02  | 746-960               | 6.3                 | 1.5:1  | 20 dB                     | 1W                  | N female   | 1.02" x 4.25" x 2.37"<br>(25.9 x 108 x 60.2 mm)    |
| 3               | 84-83-12  | 746-960               | 5.1                 | 1.5:1  | None                      | 500W                | N female   | 1.02" x 3.25" x 2.37"<br>(25.9 x 82.6 x 60.2 mm)   |
| 2               | 84-83-14  | 746-960               | 3.2                 | 1.5:1  | None                      | 500W                | N female   | 1.02" x 3.25" x 2.37"<br>(25.9 x 82.6 x 60.2 mm)   |

\*Coated version available. Add "C" at the end of the model number, e.g. 84-01-09C

### TX RX Systems Inc.

8625 Industrial Pkwy, Angola, NY 14006  
716.549.4700 | Sales@txrx.com | www.txrx.com