



# POWER DIVIDERS

## Wilkinson Stripline: Application Specific & Broadband

Power dividers designed, manufactured and marketed by BroadWave are found in applications that include complex telecommunication lab configurations, test equipment, phase arrays and specific test modules.

- 800-3500MHz
- Multi-octave designs to 26.5GHz
- Excellent Phase Balance and Amplitude Tracking
- Low VSWR
- Special configurations
- High Isolation
- 2, 4, 6, and 8 way configurations
- SMA connectors (Type N available on most models)
- Cost effective designs
- Large volume capacity



MODEL 151-010-002 2-WAY POWER DIVIDER	
Frequency Range:	2-18GHz
Impedance:	50 ohms
Isolation:	17dB min
Insertion Loss:	1.0dB max (above 3dB split)
Amplitude Balance:	± 0.3dB max
Phase Balance:	± 6.0° max
VSWR	1.5:1 max
Power Input:	10 Watts average
RF Connectors:	SMA female
Operating Temp:	-55°C to +85°C

MODEL 151-011-002 2-WAY POWER DIVIDER	
Frequency Range:	800 - 3500MHz
Impedance:	50 ohms, nominal
Isolation:	22dB min
Insertion Loss:	0.6dB above split
Amplitude Balance:	± 0.3dB
Phase Balance:	± 5°
VSWR	1.4:1 max
Power Input:	5 Watts @ 25°C
RF Connectors:	SMA female
Operating Temp:	-40°C to +85°C

Please see the reverse side of this sheet for additional product information.  
 The latest new product developments are available on our website: [www.broadwavetech.com](http://www.broadwavetech.com)

## POWER DIVIDERS

Model #	Configuration	Frequency Range	Isolation	Input Power	Insertion Loss
151-010-002	2 way	2-18GHz	18dB min	10 Watts	1dB max*
151-010-004	4 way	2-18GHz	15dB min	10 Watts	2dB max*
151-010-008	8 way	2-18GHz	14dB min	10 Watts	2.5dB max*
151-017-002	2 way	800-2000MHz	25dB min	20 Watts	0.4dB max*
151-017-004	4 way	800-2000MHz	22dB min	20 Watts	0.8dB max*
151-017-008	8 way	800-2000MHz	22dB min	20 Watts	1.0dB max*
151-011-002	2 way	800-3500MHz	22dB min	5 Watts	0.6dB max*
151-011-003	3 way	800-3500MHz	22dB min	5 Watts	0.8dB max*
151-011-004	4 way	800-3500MHz	22dB min	5 Watts	1.0dB max*
151-011-006	6 way	800-3500MHz	20dB min	5 Watts	1.5dB max*
151-011-008	8 way	800-3500MHz	20dB min	5 Watts	2.5dB max*
151-023-002	2 way (resistive)	DC-3000MHz		2 Watts	6dB $\pm$ 0.5dB
151-023-004	4 way (resistive)	DC-3000MHz		2 Watts	12dB $\pm$ 0.5dB

\* insertion loss above theoretical loss



### WARRANTY

BroadWave Technologies' products are warranted free from defects in materials and workmanship for a period of two years from the date of shipment. At our option, we will repair or replace the returned product. This warranty does not apply to products that have been modified or subject to conditions exceeding the applicable specifications. BroadWave Technologies, Inc. shall have no liability for incidental or consequential damages resulting from improper use or negligence.

This warranty is the extent of BroadWave Technologies' liability for its products. No other warranty is expressed or implied.

Please contact customer service at [customerfirst@broadwavetech.com](mailto:customerfirst@broadwavetech.com) or call 317.346.6101 to arrange for product return.

### SHIPPING

BroadWave Technologies will use the best method of shipment unless specified by the buyer. The standard method is UPS, prepaid and bill. The FOB is Franklin, Indiana.

### SPECIFICATIONS

Specifications are subject to change without notice. As applicable, please contact the factory at [customerfirst@broadwavetech.com](mailto:customerfirst@broadwavetech.com) or call 317.346.6101 to verify specifications.

### TERMS

Standard terms are net 30 days for established customers. New customers, subject to credit approval, are also net 30 days. BroadWave also accepts MasterCard, VISA, and Discover for payment.

International orders require approved credit, an Irrevocable Letter of Credit payable through a United States bank, or cash in advance. FOB is Franklin, Indiana.

**CustomerFirst Service**  
[customerfirst@broadwavetech.com](mailto:customerfirst@broadwavetech.com)  
or  
317.346.6101