

# 6 Way-0° Power Splitter/Combiner

ZB6PD-ED10590/1

## Typical Performance Data

| FREQ.<br>(MHz) | TOTAL LOSS <sup>1</sup> |      |      | AMP.<br>UNBAL.<br>(dB) | ISOLATION |       |       | PHASE<br>UNBAL.<br>(deg.) | FREQ.<br>(MHz) | VSWR |      |      |
|----------------|-------------------------|------|------|------------------------|-----------|-------|-------|---------------------------|----------------|------|------|------|
|                | S-1                     | S-3  | S-5  |                        | 1-2       | 1-3   | 1-6   |                           |                | S    | 1    | 3    |
| 600.0          | 8.59                    | 8.48 | 8.47 | 0.23                   | 23.10     | 25.24 | 22.83 | 43.73                     | 600.0          | 1.85 | 1.18 | 1.05 |
| 622.0          | 8.57                    | 8.42 | 8.44 | 0.23                   | 22.82     | 26.13 | 23.42 | 45.20                     | 622.0          | 1.79 | 1.18 | 1.04 |
| 644.0          | 8.53                    | 8.35 | 8.40 | 0.22                   | 22.78     | 27.09 | 24.04 | 46.68                     | 644.0          | 1.72 | 1.17 | 1.04 |
| 666.0          | 8.48                    | 8.28 | 8.35 | 0.24                   | 22.95     | 28.19 | 24.67 | 48.04                     | 666.0          | 1.64 | 1.16 | 1.04 |
| 688.0          | 8.41                    | 8.22 | 8.30 | 0.21                   | 23.39     | 29.50 | 25.41 | 49.44                     | 688.0          | 1.55 | 1.14 | 1.03 |
| 710.0          | 8.37                    | 8.17 | 8.25 | 0.22                   | 24.09     | 31.06 | 26.20 | 50.88                     | 710.0          | 1.47 | 1.13 | 1.03 |
| 732.0          | 8.31                    | 8.13 | 8.19 | 0.22                   | 25.10     | 32.95 | 27.08 | 52.33                     | 732.0          | 1.38 | 1.11 | 1.03 |
| 754.0          | 8.26                    | 8.09 | 8.14 | 0.22                   | 26.43     | 35.44 | 28.10 | 53.76                     | 754.0          | 1.30 | 1.09 | 1.03 |
| 776.0          | 8.23                    | 8.06 | 8.11 | 0.22                   | 28.23     | 38.82 | 29.25 | 55.28                     | 776.0          | 1.22 | 1.08 | 1.03 |
| 798.0          | 8.19                    | 8.04 | 8.07 | 0.23                   | 30.57     | 43.80 | 30.61 | 56.89                     | 798.0          | 1.15 | 1.06 | 1.03 |
| 820.0          | 8.17                    | 8.05 | 8.05 | 0.22                   | 33.87     | 46.85 | 32.26 | 58.46                     | 820.0          | 1.09 | 1.05 | 1.03 |
| 824.0          | 8.17                    | 8.05 | 8.05 | 0.23                   | 34.58     | 46.21 | 32.60 | 58.81                     | 824.0          | 1.08 | 1.04 | 1.03 |
| 829.0          | 8.17                    | 8.05 | 8.06 | 0.22                   | 35.54     | 44.98 | 33.03 | 59.20                     | 829.0          | 1.06 | 1.04 | 1.03 |
| 834.0          | 8.18                    | 8.04 | 8.06 | 0.23                   | 36.57     | 43.62 | 33.50 | 59.58                     | 834.0          | 1.05 | 1.04 | 1.03 |
| 839.0          | 8.17                    | 8.04 | 8.06 | 0.22                   | 37.76     | 42.33 | 34.00 | 59.86                     | 839.0          | 1.04 | 1.04 | 1.03 |
| 844.0          | 8.17                    | 8.05 | 8.07 | 0.21                   | 38.90     | 41.20 | 34.50 | 60.21                     | 844.0          | 1.03 | 1.04 | 1.03 |
| 849.0          | 8.17                    | 8.05 | 8.06 | 0.22                   | 40.20     | 40.04 | 35.07 | 60.65                     | 849.0          | 1.02 | 1.04 | 1.03 |
| 854.0          | 8.17                    | 8.05 | 8.06 | 0.22                   | 41.42     | 39.07 | 35.60 | 61.01                     | 854.0          | 1.01 | 1.04 | 1.03 |
| 859.0          | 8.16                    | 8.04 | 8.06 | 0.22                   | 42.20     | 38.19 | 36.23 | 61.36                     | 859.0          | 1.02 | 1.03 | 1.03 |
| 864.0          | 8.16                    | 8.04 | 8.05 | 0.22                   | 42.56     | 37.32 | 36.95 | 61.66                     | 864.0          | 1.02 | 1.03 | 1.03 |
| 869.0          | 8.15                    | 8.04 | 8.05 | 0.22                   | 42.27     | 36.56 | 37.62 | 62.07                     | 869.0          | 1.03 | 1.04 | 1.03 |
| 874.0          | 8.16                    | 8.03 | 8.04 | 0.23                   | 41.45     | 35.80 | 38.44 | 62.46                     | 874.0          | 1.04 | 1.04 | 1.03 |
| 879.0          | 8.15                    | 8.03 | 8.05 | 0.22                   | 40.38     | 35.14 | 39.34 | 62.82                     | 879.0          | 1.05 | 1.04 | 1.03 |
| 884.0          | 8.16                    | 8.03 | 8.04 | 0.23                   | 39.27     | 34.53 | 40.25 | 63.13                     | 884.0          | 1.06 | 1.04 | 1.04 |
| 889.0          | 8.16                    | 8.05 | 8.06 | 0.22                   | 38.20     | 33.94 | 41.25 | 63.54                     | 889.0          | 1.07 | 1.04 | 1.04 |
| 894.0          | 8.16                    | 8.04 | 8.05 | 0.22                   | 37.19     | 33.40 | 42.42 | 63.89                     | 894.0          | 1.08 | 1.04 | 1.04 |
| 900.0          | 8.18                    | 8.05 | 8.06 | 0.23                   | 36.04     | 32.80 | 43.91 | 64.33                     | 900.0          | 1.10 | 1.04 | 1.04 |
| 920.0          | 8.19                    | 8.06 | 8.09 | 0.22                   | 33.02     | 31.00 | 49.34 | 65.84                     | 920.0          | 1.13 | 1.05 | 1.04 |
| 940.0          | 8.22                    | 8.07 | 8.12 | 0.23                   | 30.88     | 29.53 | 45.46 | 67.18                     | 940.0          | 1.17 | 1.06 | 1.05 |
| 960.0          | 8.25                    | 8.08 | 8.14 | 0.23                   | 29.23     | 28.29 | 40.50 | 68.54                     | 960.0          | 1.21 | 1.07 | 1.05 |
| 980.0          | 8.28                    | 8.11 | 8.17 | 0.23                   | 27.97     | 27.20 | 37.08 | 69.77                     | 980.0          | 1.25 | 1.08 | 1.06 |
| 1000.0         | 8.30                    | 8.13 | 8.19 | 0.22                   | 26.93     | 26.25 | 34.68 | 71.04                     | 1000.0         | 1.29 | 1.09 | 1.06 |
| 1020.0         | 8.31                    | 8.16 | 8.22 | 0.22                   | 26.05     | 25.41 | 32.78 | 72.27                     | 1020.0         | 1.33 | 1.10 | 1.07 |
| 1040.0         | 8.33                    | 8.19 | 8.24 | 0.22                   | 25.30     | 24.62 | 31.17 | 73.37                     | 1040.0         | 1.39 | 1.11 | 1.07 |
| 1060.0         | 8.41                    | 8.27 | 8.31 | 0.23                   | 24.69     | 23.96 | 29.88 | 74.48                     | 1060.0         | 1.45 | 1.12 | 1.07 |
| 1080.0         | 8.47                    | 8.37 | 8.38 | 0.23                   | 24.18     | 23.36 | 28.72 | 75.50                     | 1080.0         | 1.52 | 1.12 | 1.08 |
| 1100.0         | 8.50                    | 8.47 | 8.41 | 0.23                   | 23.70     | 22.79 | 27.72 | 76.49                     | 1100.0         | 1.61 | 1.13 | 1.09 |
| 1125.0         | 8.53                    | 8.61 | 8.47 | 0.32                   | 23.21     | 22.15 | 26.55 | 77.94                     | 1125.0         | 1.72 | 1.14 | 1.09 |
| 1150.0         | 8.61                    | 8.82 | 8.56 | 0.44                   | 22.89     | 21.59 | 25.56 | 79.31                     | 1150.0         | 1.85 | 1.15 | 1.11 |
| 1175.0         | 8.72                    | 9.09 | 8.67 | 0.62                   | 22.68     | 21.11 | 24.64 | 80.89                     | 1175.0         | 1.99 | 1.15 | 1.13 |
| 1200.0         | 8.80                    | 9.38 | 8.77 | 0.83                   | 22.61     | 20.71 | 23.78 | 82.62                     | 1200.0         | 2.13 | 1.15 | 1.15 |

<sup>1</sup> Total Loss = Insertion Loss + 7.8dB Splitter Loss

REV. X2

ZB6PD-ED10590/1

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Page 1 of 1



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