

# 2 Way-0° Power Splitter/Combiner

ZAPDQ-4+

## Typical Performance Data

| FREQUENCY<br>(MHz) | TOTAL LOSS <sup>1</sup><br>(dB) |      | AMPLITUDE<br>UNBALANCE | ISOLATION   | PHASE<br>UNBALANCE | FREQUENCY<br>(MHz) | VSWR |           |      |
|--------------------|---------------------------------|------|------------------------|-------------|--------------------|--------------------|------|-----------|------|
|                    | S-1                             | S-2  | (dB)                   | (dB)<br>1-2 | (deg.)             |                    | S    | (:1)<br>1 | 2    |
| 1500               | 2.80                            | 4.96 | 2.15                   | 17.85       | 104.18             | 1500               | 1.43 | 1.02      | 3.40 |
| 1600               | 3.09                            | 4.36 | 1.27                   | 18.52       | 100.32             | 1600               | 1.50 | 1.04      | 2.57 |
| 1700               | 3.29                            | 3.94 | 0.65                   | 19.52       | 96.10              | 1700               | 1.52 | 1.06      | 2.01 |
| 1800               | 3.37                            | 3.68 | 0.30                   | 20.83       | 92.16              | 1800               | 1.48 | 1.09      | 1.62 |
| 1900               | 3.38                            | 3.52 | 0.14                   | 22.44       | 88.99              | 1900               | 1.40 | 1.11      | 1.34 |
| 2000               | 3.36                            | 3.44 | 0.08                   | 24.21       | 86.71              | 2000               | 1.30 | 1.12      | 1.14 |
| 2100               | 3.33                            | 3.41 | 0.08                   | 26.06       | 85.24              | 2100               | 1.18 | 1.13      | 1.02 |
| 2200               | 3.31                            | 3.41 | 0.10                   | 27.77       | 84.39              | 2200               | 1.08 | 1.14      | 1.13 |
| 2300               | 3.33                            | 3.45 | 0.13                   | 29.05       | 84.04              | 2300               | 1.04 | 1.13      | 1.23 |
| 2400               | 3.35                            | 3.51 | 0.16                   | 29.47       | 84.21              | 2400               | 1.11 | 1.13      | 1.33 |
| 2500               | 3.40                            | 3.52 | 0.12                   | 29.17       | 84.70              | 2500               | 1.19 | 1.12      | 1.41 |
| 2600               | 3.44                            | 3.53 | 0.09                   | 28.51       | 85.08              | 2600               | 1.26 | 1.11      | 1.45 |
| 2700               | 3.48                            | 3.55 | 0.07                   | 27.59       | 85.56              | 2700               | 1.31 | 1.10      | 1.46 |
| 2800               | 3.51                            | 3.56 | 0.05                   | 26.63       | 86.18              | 2800               | 1.33 | 1.08      | 1.44 |
| 2900               | 3.52                            | 3.56 | 0.04                   | 25.74       | 86.89              | 2900               | 1.33 | 1.07      | 1.41 |
| 3000               | 3.51                            | 3.55 | 0.04                   | 24.99       | 87.70              | 3000               | 1.31 | 1.05      | 1.38 |
| 3100               | 3.50                            | 3.54 | 0.04                   | 24.39       | 88.50              | 3100               | 1.27 | 1.04      | 1.33 |
| 3200               | 3.49                            | 3.52 | 0.04                   | 24.05       | 89.31              | 3200               | 1.22 | 1.03      | 1.28 |
| 3300               | 3.47                            | 3.50 | 0.03                   | 23.97       | 90.12              | 3300               | 1.17 | 1.04      | 1.22 |
| 3400               | 3.46                            | 3.48 | 0.01                   | 24.21       | 90.88              | 3400               | 1.11 | 1.07      | 1.16 |
| 3500               | 3.47                            | 3.47 | 0.00                   | 24.76       | 91.56              | 3500               | 1.06 | 1.10      | 1.12 |
| 3600               | 3.49                            | 3.47 | 0.02                   | 25.79       | 92.11              | 3600               | 1.02 | 1.14      | 1.09 |
| 3700               | 3.51                            | 3.49 | 0.02                   | 27.40       | 92.61              | 3700               | 1.03 | 1.18      | 1.07 |
| 3800               | 3.52                            | 3.50 | 0.02                   | 30.04       | 93.12              | 3800               | 1.07 | 1.20      | 1.05 |
| 3900               | 3.53                            | 3.52 | 0.01                   | 33.92       | 93.62              | 3900               | 1.09 | 1.22      | 1.06 |
| 4000               | 3.55                            | 3.54 | 0.01                   | 39.30       | 93.99              | 4000               | 1.09 | 1.24      | 1.08 |
| 4100               | 3.57                            | 3.56 | 0.00                   | 37.06       | 94.22              | 4100               | 1.09 | 1.25      | 1.11 |
| 4200               | 3.59                            | 3.58 | 0.01                   | 31.66       | 94.19              | 4200               | 1.07 | 1.28      | 1.15 |
| 4300               | 3.63                            | 3.62 | 0.01                   | 28.04       | 93.78              | 4300               | 1.07 | 1.31      | 1.21 |
| 4400               | 3.67                            | 3.68 | 0.01                   | 25.39       | 92.84              | 4400               | 1.07 | 1.37      | 1.30 |
| 4500               | 3.72                            | 3.78 | 0.05                   | 23.39       | 91.25              | 4500               | 1.08 | 1.44      | 1.42 |
| 4600               | 3.76                            | 3.93 | 0.17                   | 21.79       | 88.93              | 4600               | 1.09 | 1.54      | 1.57 |
| 4700               | 3.76                            | 4.17 | 0.41                   | 20.52       | 85.84              | 4700               | 1.08 | 1.64      | 1.79 |
| 4800               | 3.70                            | 4.53 | 0.83                   | 19.51       | 82.25              | 4800               | 1.09 | 1.76      | 2.10 |
| 4900               | 3.59                            | 5.06 | 1.47                   | 18.79       | 78.42              | 4900               | 1.15 | 1.88      | 2.59 |
| 5000               | 3.45                            | 5.84 | 2.39                   | 18.37       | 74.85              | 5000               | 1.28 | 2.00      | 3.36 |

<sup>1</sup>Total Loss = Insertion Loss + 3dB Splitter Loss



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IF/RF MICROWAVE COMPONENTS



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Page 1 of 1