

## 2 Way-0° Power Splitter/Combiner

## RACK-2-ED12733/1

### Typical Performance Data

| FREQ.<br>(MHz) | TOTAL LOSS <sup>1</sup><br>(dB) |      | AMP.<br>UNBAL.<br>(dB) | ISOLATION<br>(dB)<br>1-2 | PHASE<br>UNBAL.<br>(deg.) | FREQ.<br>(MHz) | VSWR<br>(:1) |      |      |
|----------------|---------------------------------|------|------------------------|--------------------------|---------------------------|----------------|--------------|------|------|
|                | S-1                             | S-2  |                        |                          |                           |                | S            | 1    | 2    |
| 400.00         | 3.22                            | 3.26 | 0.04                   | 7.01                     | 0.08                      | 400.0          | 1.57         | 2.61 | 2.64 |
| 420.00         | 3.20                            | 3.24 | 0.04                   | 6.92                     | 0.07                      | 420.0          | 1.54         | 2.64 | 2.67 |
| 440.00         | 3.19                            | 3.23 | 0.04                   | 6.85                     | 0.09                      | 440.0          | 1.51         | 2.67 | 2.70 |
| 460.00         | 3.16                            | 3.21 | 0.05                   | 6.79                     | 0.11                      | 460.0          | 1.48         | 2.69 | 2.73 |
| 480.00         | 3.14                            | 3.19 | 0.05                   | 6.74                     | 0.14                      | 480.0          | 1.44         | 2.71 | 2.75 |
| 500.00         | 3.12                            | 3.17 | 0.05                   | 6.69                     | 0.17                      | 500.0          | 1.40         | 2.72 | 2.76 |
| 520.00         | 3.11                            | 3.16 | 0.05                   | 6.64                     | 0.19                      | 520.0          | 1.37         | 2.74 | 2.78 |
| 540.00         | 3.11                            | 3.17 | 0.05                   | 6.60                     | 0.21                      | 540.0          | 1.34         | 2.76 | 2.80 |
| 560.00         | 3.10                            | 3.15 | 0.05                   | 6.56                     | 0.23                      | 560.0          | 1.30         | 2.77 | 2.82 |
| 580.00         | 3.07                            | 3.12 | 0.05                   | 6.54                     | 0.23                      | 580.0          | 1.27         | 2.78 | 2.83 |
| 600.00         | 3.05                            | 3.11 | 0.06                   | 6.53                     | 0.25                      | 600.0          | 1.24         | 2.79 | 2.84 |
| 620.00         | 3.06                            | 3.12 | 0.06                   | 6.51                     | 0.28                      | 620.0          | 1.20         | 2.79 | 2.85 |
| 640.00         | 3.07                            | 3.13 | 0.06                   | 6.48                     | 0.31                      | 640.0          | 1.17         | 2.80 | 2.86 |
| 660.00         | 3.07                            | 3.13 | 0.06                   | 6.45                     | 0.32                      | 660.0          | 1.14         | 2.82 | 2.87 |
| 680.00         | 3.05                            | 3.11 | 0.06                   | 6.45                     | 0.32                      | 680.0          | 1.11         | 2.82 | 2.87 |
| 700.00         | 3.04                            | 3.10 | 0.06                   | 6.44                     | 0.34                      | 700.0          | 1.08         | 2.82 | 2.88 |
| 720.00         | 3.05                            | 3.12 | 0.07                   | 6.43                     | 0.38                      | 720.0          | 1.06         | 2.82 | 2.89 |
| 730.00         | 3.07                            | 3.14 | 0.07                   | 6.42                     | 0.40                      | 730.0          | 1.05         | 2.83 | 2.89 |
| 740.00         | 3.08                            | 3.15 | 0.07                   | 6.40                     | 0.42                      | 740.0          | 1.05         | 2.83 | 2.90 |
| 750.00         | 3.08                            | 3.15 | 0.07                   | 6.39                     | 0.44                      | 750.0          | 1.05         | 2.84 | 2.90 |
| 760.00         | 3.08                            | 3.15 | 0.07                   | 6.39                     | 0.45                      | 760.0          | 1.05         | 2.84 | 2.91 |
| 770.00         | 3.07                            | 3.14 | 0.07                   | 6.38                     | 0.46                      | 770.0          | 1.05         | 2.84 | 2.91 |
| 780.00         | 3.07                            | 3.14 | 0.07                   | 6.38                     | 0.47                      | 780.0          | 1.06         | 2.84 | 2.91 |
| 800.00         | 3.08                            | 3.15 | 0.07                   | 6.37                     | 0.48                      | 800.0          | 1.09         | 2.85 | 2.91 |
| 820.00         | 3.10                            | 3.18 | 0.07                   | 6.35                     | 0.51                      | 820.0          | 1.12         | 2.86 | 2.92 |
| 840.00         | 3.12                            | 3.20 | 0.08                   | 6.34                     | 0.56                      | 840.0          | 1.14         | 2.86 | 2.93 |
| 860.00         | 3.12                            | 3.20 | 0.08                   | 6.32                     | 0.61                      | 860.0          | 1.17         | 2.87 | 2.94 |
| 880.00         | 3.13                            | 3.21 | 0.07                   | 6.31                     | 0.63                      | 880.0          | 1.20         | 2.87 | 2.94 |
| 900.00         | 3.15                            | 3.23 | 0.07                   | 6.30                     | 0.63                      | 900.0          | 1.24         | 2.88 | 2.95 |
| 920.00         | 3.17                            | 3.25 | 0.08                   | 6.28                     | 0.65                      | 920.0          | 1.27         | 2.88 | 2.96 |
| 940.00         | 3.18                            | 3.26 | 0.08                   | 6.27                     | 0.70                      | 940.0          | 1.30         | 2.89 | 2.96 |
| 960.00         | 3.19                            | 3.27 | 0.08                   | 6.25                     | 0.77                      | 960.0          | 1.33         | 2.90 | 2.97 |
| 980.00         | 3.20                            | 3.28 | 0.08                   | 6.24                     | 0.81                      | 980.0          | 1.37         | 2.90 | 2.97 |
| 1000.00        | 3.22                            | 3.29 | 0.07                   | 6.23                     | 0.82                      | 1000.0         | 1.40         | 2.91 | 2.98 |
| 1020.00        | 3.24                            | 3.31 | 0.08                   | 6.23                     | 0.82                      | 1020.0         | 1.43         | 2.91 | 2.98 |
| 1040.00        | 3.26                            | 3.34 | 0.08                   | 6.22                     | 0.85                      | 1040.0         | 1.46         | 2.91 | 2.99 |
| 1060.00        | 3.26                            | 3.34 | 0.08                   | 6.21                     | 0.91                      | 1060.0         | 1.50         | 2.92 | 2.99 |
| 1080.00        | 3.26                            | 3.34 | 0.08                   | 6.20                     | 1.00                      | 1080.0         | 1.53         | 2.92 | 2.99 |
| 1100.00        | 3.26                            | 3.33 | 0.07                   | 6.21                     | 1.05                      | 1100.0         | 1.55         | 2.91 | 2.98 |

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

REV. X2

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