

# 2 Way-0° Power Splitter/Combiner

ADP-ED6714/2

## Typical Performance Data

| FREQ.<br>(MHz) | TOTAL LOSS <sup>1</sup><br>(dB) |      | AMP.<br>UNBAL.<br>(dB) | ISOLATION<br>(dB) | PHASE<br>UNBAL.<br>(deg.) | FREQ.<br>(MHz) | VSWR<br>(:1) |      |      |
|----------------|---------------------------------|------|------------------------|-------------------|---------------------------|----------------|--------------|------|------|
|                | S-1                             | S-2  |                        |                   |                           |                | S            | 1    | 2    |
| 205.0          | 3.30                            | 3.20 | 0.09                   | 29.19             | 0.91                      | 205.0          | 1.33         | 1.29 | 1.25 |
| 270.0          | 3.31                            | 3.23 | 0.08                   | 26.46             | 0.60                      | 270.0          | 1.30         | 1.21 | 1.18 |
| 335.0          | 3.34                            | 3.26 | 0.08                   | 24.99             | 0.42                      | 335.0          | 1.28         | 1.15 | 1.13 |
| 400.0          | 3.36                            | 3.28 | 0.07                   | 24.79             | 0.18                      | 400.0          | 1.25         | 1.12 | 1.11 |
| 405.0          | 3.36                            | 3.29 | 0.07                   | 24.82             | 0.20                      | 405.0          | 1.24         | 1.12 | 1.11 |
| 410.0          | 3.36                            | 3.30 | 0.07                   | 24.85             | 0.23                      | 410.0          | 1.24         | 1.12 | 1.11 |
| 415.0          | 3.36                            | 3.29 | 0.07                   | 24.92             | 0.15                      | 415.0          | 1.24         | 1.12 | 1.11 |
| 420.0          | 3.36                            | 3.30 | 0.07                   | 24.98             | 0.22                      | 420.0          | 1.24         | 1.12 | 1.10 |
| 425.0          | 3.36                            | 3.29 | 0.07                   | 25.05             | 0.09                      | 425.0          | 1.23         | 1.12 | 1.10 |
| 430.0          | 3.36                            | 3.29 | 0.08                   | 25.15             | 0.13                      | 430.0          | 1.23         | 1.12 | 1.10 |
| 435.0          | 3.36                            | 3.29 | 0.07                   | 25.24             | 0.11                      | 435.0          | 1.23         | 1.12 | 1.10 |
| 440.0          | 3.36                            | 3.29 | 0.07                   | 25.38             | 0.08                      | 440.0          | 1.23         | 1.12 | 1.11 |
| 445.0          | 3.36                            | 3.30 | 0.06                   | 25.49             | 0.07                      | 445.0          | 1.22         | 1.12 | 1.11 |
| 450.0          | 3.37                            | 3.30 | 0.07                   | 25.63             | 0.03                      | 450.0          | 1.22         | 1.12 | 1.11 |
| 455.0          | 3.37                            | 3.30 | 0.06                   | 25.77             | 0.05                      | 455.0          | 1.22         | 1.12 | 1.11 |
| 460.0          | 3.38                            | 3.31 | 0.07                   | 25.95             | 0.03                      | 460.0          | 1.22         | 1.12 | 1.11 |
| 465.0          | 3.39                            | 3.31 | 0.07                   | 26.13             | 0.03                      | 465.0          | 1.21         | 1.12 | 1.11 |
| 470.0          | 3.39                            | 3.33 | 0.06                   | 26.33             | 0.03                      | 470.0          | 1.21         | 1.12 | 1.11 |
| 485.0          | 3.40                            | 3.33 | 0.07                   | 27.00             | 0.01                      | 485.0          | 1.21         | 1.13 | 1.12 |
| 500.0          | 3.41                            | 3.34 | 0.07                   | 27.84             | 0.05                      | 500.0          | 1.21         | 1.14 | 1.13 |
| 550.0          | 3.49                            | 3.41 | 0.08                   | 31.73             | 0.19                      | 550.0          | 1.24         | 1.19 | 1.17 |
| 566.7          | 3.53                            | 3.44 | 0.08                   | 32.12             | 0.23                      | 566.7          | 1.27         | 1.21 | 1.19 |
| 583.3          | 3.55                            | 3.48 | 0.07                   | 30.92             | 0.28                      | 583.3          | 1.31         | 1.23 | 1.21 |
| 600.0          | 3.59                            | 3.51 | 0.08                   | 28.59             | 0.33                      | 600.0          | 1.36         | 1.26 | 1.24 |
| 616.7          | 3.66                            | 3.58 | 0.08                   | 26.10             | 0.39                      | 616.7          | 1.42         | 1.29 | 1.27 |
| 633.3          | 3.77                            | 3.68 | 0.09                   | 23.78             | 0.45                      | 633.3          | 1.50         | 1.32 | 1.30 |
| 650.0          | 3.88                            | 3.79 | 0.09                   | 21.66             | 0.45                      | 650.0          | 1.60         | 1.35 | 1.33 |

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

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