

# 2 Way-0° Power Splitter/Combiner 3ZN2PD-ED12949/1

## 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    |
| 1600.0         | 3.25                            | 3.32 | 0.07                   | 19.43             | 0.31                      | 1600.0         | 1.24         | 1.04 | 1.06 |
| 1615.0         | 3.25                            | 3.32 | 0.07                   | 19.77             | 0.31                      | 1615.0         | 1.23         | 1.04 | 1.06 |
| 1630.0         | 3.25                            | 3.32 | 0.08                   | 20.14             | 0.34                      | 1630.0         | 1.22         | 1.04 | 1.06 |
| 1645.0         | 3.24                            | 3.32 | 0.07                   | 20.53             | 0.35                      | 1645.0         | 1.21         | 1.03 | 1.06 |
| 1660.0         | 3.24                            | 3.32 | 0.08                   | 20.95             | 0.35                      | 1660.0         | 1.20         | 1.03 | 1.06 |
| 1675.0         | 3.24                            | 3.31 | 0.08                   | 21.38             | 0.36                      | 1675.0         | 1.19         | 1.03 | 1.06 |
| 1690.0         | 3.23                            | 3.31 | 0.08                   | 21.83             | 0.37                      | 1690.0         | 1.18         | 1.03 | 1.06 |
| 1705.0         | 3.23                            | 3.30 | 0.08                   | 22.32             | 0.37                      | 1705.0         | 1.17         | 1.03 | 1.06 |
| 1720.0         | 3.23                            | 3.30 | 0.08                   | 22.86             | 0.39                      | 1720.0         | 1.16         | 1.03 | 1.06 |
| 1735.0         | 3.22                            | 3.30 | 0.08                   | 23.45             | 0.42                      | 1735.0         | 1.15         | 1.03 | 1.06 |
| 1750.0         | 3.22                            | 3.30 | 0.08                   | 24.08             | 0.41                      | 1750.0         | 1.14         | 1.03 | 1.06 |
| 1765.0         | 3.22                            | 3.30 | 0.08                   | 24.78             | 0.41                      | 1765.0         | 1.13         | 1.04 | 1.06 |
| 1780.0         | 3.22                            | 3.29 | 0.08                   | 25.54             | 0.42                      | 1780.0         | 1.12         | 1.04 | 1.06 |
| 1795.0         | 3.21                            | 3.29 | 0.08                   | 26.36             | 0.42                      | 1795.0         | 1.11         | 1.04 | 1.07 |
| 1810.0         | 3.21                            | 3.29 | 0.08                   | 27.28             | 0.42                      | 1810.0         | 1.09         | 1.04 | 1.07 |
| 1825.0         | 3.21                            | 3.29 | 0.08                   | 28.31             | 0.44                      | 1825.0         | 1.08         | 1.04 | 1.07 |
| 1840.0         | 3.21                            | 3.29 | 0.08                   | 29.49             | 0.44                      | 1840.0         | 1.08         | 1.05 | 1.07 |
| 1850.0         | 3.21                            | 3.29 | 0.08                   | 30.38             | 0.45                      | 1850.0         | 1.07         | 1.05 | 1.08 |
| 1870.0         | 3.21                            | 3.29 | 0.08                   | 32.50             | 0.44                      | 1870.0         | 1.06         | 1.05 | 1.08 |
| 1885.0         | 3.20                            | 3.29 | 0.08                   | 34.46             | 0.46                      | 1885.0         | 1.06         | 1.06 | 1.08 |
| 1900.0         | 3.20                            | 3.29 | 0.08                   | 36.70             | 0.46                      | 1900.0         | 1.06         | 1.06 | 1.09 |
| 1915.0         | 3.20                            | 3.29 | 0.09                   | 39.17             | 0.45                      | 1915.0         | 1.07         | 1.07 | 1.09 |
| 1930.0         | 3.20                            | 3.29 | 0.09                   | 40.79             | 0.46                      | 1930.0         | 1.07         | 1.07 | 1.10 |
| 1945.0         | 3.21                            | 3.29 | 0.09                   | 40.02             | 0.46                      | 1945.0         | 1.08         | 1.08 | 1.10 |
| 1960.0         | 3.21                            | 3.30 | 0.09                   | 37.67             | 0.46                      | 1960.0         | 1.09         | 1.08 | 1.11 |
| 1975.0         | 3.21                            | 3.30 | 0.09                   | 35.24             | 0.47                      | 1975.0         | 1.11         | 1.09 | 1.12 |
| 1990.0         | 3.22                            | 3.31 | 0.09                   | 33.14             | 0.47                      | 1990.0         | 1.12         | 1.09 | 1.12 |
| 2005.0         | 3.22                            | 3.31 | 0.09                   | 31.40             | 0.45                      | 2005.0         | 1.13         | 1.10 | 1.13 |
| 2020.0         | 3.22                            | 3.31 | 0.09                   | 29.95             | 0.45                      | 2020.0         | 1.15         | 1.11 | 1.14 |
| 2035.0         | 3.22                            | 3.32 | 0.10                   | 28.68             | 0.46                      | 2035.0         | 1.17         | 1.11 | 1.14 |
| 2050.0         | 3.23                            | 3.33 | 0.10                   | 27.55             | 0.45                      | 2050.0         | 1.18         | 1.12 | 1.15 |
| 2065.0         | 3.24                            | 3.34 | 0.10                   | 26.58             | 0.44                      | 2065.0         | 1.20         | 1.13 | 1.16 |
| 2080.0         | 3.25                            | 3.35 | 0.10                   | 25.68             | 0.45                      | 2080.0         | 1.22         | 1.13 | 1.16 |
| 2095.0         | 3.25                            | 3.36 | 0.10                   | 24.86             | 0.45                      | 2095.0         | 1.24         | 1.14 | 1.17 |
| 2110.0         | 3.26                            | 3.36 | 0.10                   | 24.13             | 0.43                      | 2110.0         | 1.26         | 1.15 | 1.18 |
| 2125.0         | 3.27                            | 3.37 | 0.11                   | 23.46             | 0.43                      | 2125.0         | 1.28         | 1.16 | 1.19 |
| 2140.0         | 3.28                            | 3.39 | 0.11                   | 22.86             | 0.44                      | 2140.0         | 1.30         | 1.16 | 1.20 |
| 2155.0         | 3.29                            | 3.40 | 0.11                   | 22.30             | 0.42                      | 2155.0         | 1.32         | 1.17 | 1.21 |
| 2170.0         | 3.30                            | 3.42 | 0.11                   | 21.80             | 0.43                      | 2170.0         | 1.34         | 1.18 | 1.22 |
| 2185.0         | 3.31                            | 3.43 | 0.12                   | 21.30             | 0.43                      | 2185.0         | 1.36         | 1.19 | 1.22 |
| 2200.0         | 3.32                            | 3.44 | 0.12                   | 20.84             | 0.44                      | 2200.0         | 1.38         | 1.19 | 1.23 |

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