# 4 Way-0° Power Splitter/Combiner WP4-ED12616A/4_10

*Typical Performance Data*

| FREQ. (MHz) | TOTAL LOSS[1] (dB) | | | | AMP. UNBAL. (dB) | ISOLATION (dB) | | | PHASE UNBAL. (deg.) |
|---|---|---|---|---|---|---|---|---|---|
| | S-1 | S-2 | S-3 | S-4 | | 1-2 | 2-3 | 3-4 | |
| 1500.0 | 9.60 | 9.89 | 9.81 | 9.58 | 0.31 | 17.54 | 15.54 | 17.17 | 3.14 |
| 1600.0 | 8.73 | 9.01 | 8.93 | 8.72 | 0.28 | 19.31 | 16.91 | 18.87 | 2.59 |
| 1700.0 | 8.05 | 8.31 | 8.24 | 8.03 | 0.28 | 21.69 | 18.69 | 21.13 | 2.07 |
| 1800.0 | 7.55 | 7.80 | 7.72 | 7.52 | 0.28 | 24.99 | 20.89 | 24.22 | 1.67 |
| 1900.0 | 7.21 | 7.44 | 7.36 | 7.18 | 0.26 | 30.01 | 23.68 | 28.81 | 1.29 |
| 1950.0 | 7.08 | 7.30 | 7.23 | 7.05 | 0.25 | 33.60 | 25.19 | 32.03 | 1.06 |
| 1975.0 | 7.02 | 7.25 | 7.17 | 7.00 | 0.25 | 35.67 | 26.00 | 33.94 | 0.97 |
| 2000.0 | 6.98 | 7.21 | 7.13 | 6.97 | 0.24 | 37.54 | 26.81 | 35.81 | 0.86 |
| 2025.0 | 6.94 | 7.16 | 7.08 | 6.93 | 0.23 | 38.35 | 27.58 | 37.13 | 0.76 |
| 2050.0 | 6.91 | 7.12 | 7.04 | 6.89 | 0.23 | 37.62 | 28.26 | 37.09 | 0.66 |
| 2075.0 | 6.88 | 7.09 | 7.01 | 6.86 | 0.22 | 35.92 | 28.81 | 35.83 | 0.56 |
| 2100.0 | 6.86 | 7.07 | 6.99 | 6.84 | 0.22 | 34.03 | 29.13 | 34.14 | 0.58 |
| 2125.0 | 6.84 | 7.04 | 6.96 | 6.83 | 0.21 | 32.34 | 29.16 | 32.50 | 0.60 |
| 2150.0 | 6.81 | 7.01 | 6.94 | 6.81 | 0.20 | 30.91 | 29.01 | 31.02 | 0.62 |
| 2175.0 | 6.80 | 6.99 | 6.92 | 6.80 | 0.20 | 29.67 | 28.70 | 29.74 | 0.71 |
| 2200.0 | 6.78 | 6.98 | 6.90 | 6.78 | 0.19 | 28.59 | 28.26 | 28.62 | 0.82 |
| 2225.0 | 6.79 | 6.97 | 6.90 | 6.79 | 0.19 | 27.66 | 27.74 | 27.64 | 0.91 |
| 2250.0 | 6.78 | 6.96 | 6.89 | 6.78 | 0.19 | 26.85 | 27.17 | 26.78 | 1.00 |
| 2275.0 | 6.78 | 6.96 | 6.88 | 6.77 | 0.18 | 26.15 | 26.60 | 26.02 | 1.08 |
| 2300.0 | 6.78 | 6.95 | 6.88 | 6.77 | 0.18 | 25.50 | 26.03 | 25.33 | 1.16 |
| 2325.0 | 6.78 | 6.95 | 6.88 | 6.77 | 0.18 | 24.90 | 25.43 | 24.70 | 1.25 |
| 2350.0 | 6.78 | 6.95 | 6.87 | 6.77 | 0.18 | 24.35 | 24.86 | 24.14 | 1.35 |
| 2375.0 | 6.79 | 6.95 | 6.88 | 6.77 | 0.18 | 23.88 | 24.35 | 23.63 | 1.45 |
| 2400.0 | 6.80 | 6.97 | 6.89 | 6.79 | 0.18 | 23.44 | 23.90 | 23.16 | 1.55 |
| 2425.0 | 6.81 | 6.97 | 6.90 | 6.80 | 0.18 | 23.02 | 23.47 | 22.74 | 1.63 |
| 2450.0 | 6.82 | 6.98 | 6.90 | 6.81 | 0.17 | 22.63 | 23.04 | 22.34 | 1.71 |
| 2475.0 | 6.84 | 6.99 | 6.91 | 6.82 | 0.17 | 22.30 | 22.63 | 21.98 | 1.79 |
| 2500.0 | 6.85 | 7.00 | 6.92 | 6.83 | 0.17 | 21.98 | 22.25 | 21.64 | 1.88 |
| 2550.0 | 6.88 | 7.02 | 6.94 | 6.86 | 0.15 | 21.38 | 21.54 | 21.04 | 2.07 |
| 2575.0 | 6.90 | 7.04 | 6.97 | 6.89 | 0.14 | 21.10 | 21.21 | 20.77 | 2.13 |
| 2600.0 | 6.92 | 7.05 | 6.98 | 6.91 | 0.14 | 20.85 | 20.92 | 20.52 | 2.22 |
| 2625.0 | 6.94 | 7.06 | 6.99 | 6.93 | 0.13 | 20.64 | 20.66 | 20.28 | 2.31 |
| 2650.0 | 6.96 | 7.08 | 7.01 | 6.95 | 0.13 | 20.43 | 20.39 | 20.06 | 2.42 |
| 2675.0 | 6.98 | 7.09 | 7.02 | 6.97 | 0.12 | 20.21 | 20.13 | 19.86 | 2.50 |
| 2700.0 | 7.01 | 7.12 | 7.05 | 7.01 | 0.11 | 20.01 | 19.87 | 19.66 | 2.58 |
| 2725.0 | 7.03 | 7.14 | 7.07 | 7.03 | 0.10 | 19.82 | 19.63 | 19.49 | 2.65 |
| 2750.0 | 7.05 | 7.15 | 7.09 | 7.06 | 0.10 | 19.65 | 19.41 | 19.31 | 2.76 |
| 2775.0 | 7.08 | 7.17 | 7.11 | 7.08 | 0.09 | 19.48 | 19.20 | 19.15 | 2.86 |
| 2800.0 | 7.10 | 7.19 | 7.12 | 7.10 | 0.09 | 19.33 | 19.00 | 19.00 | 2.96 |
| 2825.0 | 7.13 | 7.21 | 7.15 | 7.14 | 0.08 | 19.18 | 18.81 | 18.85 | 3.01 |
| 2850.0 | 7.15 | 7.23 | 7.17 | 7.16 | 0.08 | 19.04 | 18.63 | 18.72 | 3.05 |
| 2875.0 | 7.17 | 7.24 | 7.18 | 7.17 | 0.07 | 18.90 | 18.44 | 18.59 | 3.13 |
| 2900.0 | 7.19 | 7.26 | 7.20 | 7.19 | 0.07 | 18.77 | 18.25 | 18.45 | 3.24 |
| 3000.0 | 7.30 | 7.35 | 7.29 | 7.29 | 0.06 | 18.30 | 17.64 | 18.00 | 3.55 |
| 3500.0 | 7.86 | 7.82 | 7.77 | 7.83 | 0.09 | 16.72 | 15.30 | 16.62 | 5.05 |
| 4000.0 | 8.27 | 8.19 | 8.14 | 8.23 | 0.13 | 15.81 | 13.67 | 15.73 | 6.41 |
| 4500.0 | 8.57 | 8.43 | 8.40 | 8.48 | 0.16 | 14.82 | 12.32 | 14.77 | 8.01 |
| 5000.0 | 8.76 | 8.61 | 8.63 | 8.71 | 0.15 | 13.52 | 11.26 | 13.53 | 9.48 |
| 5200.0 | 8.81 | 8.69 | 8.73 | 8.79 | 0.12 | 12.92 | 10.94 | 13.05 | 9.63 |
| 5400.0 | 8.89 | 8.78 | 8.85 | 8.90 | 0.12 | 12.34 | 10.67 | 12.34 | 10.49 |
| 5600.0 | 8.91 | 8.85 | 8.96 | 9.03 | 0.18 | 11.71 | 10.43 | 11.95 | 10.40 |
| 5800.0 | 9.03 | 8.99 | 9.15 | 9.16 | 0.17 | 11.17 | 10.23 | 11.24 | 11.07 |
| 6000.0 | 9.10 | 9.10 | 9.26 | 9.26 | 0.16 | 10.61 | 10.19 | 10.78 | 11.13 |

| FREQ. (MHz) | VSWR (:1) | | | | |
|---|---|---|---|---|---|
| | S | 1 | 2 | 3 | 4 |
| 1500.0 | 4.17 | 1.68 | 1.64 | 1.62 | 1.67 |
| 1600.0 | 3.27 | 1.63 | 1.61 | 1.58 | 1.62 |
| 1700.0 | 2.58 | 1.56 | 1.55 | 1.53 | 1.55 |
| 1800.0 | 2.08 | 1.50 | 1.49 | 1.47 | 1.50 |
| 1900.0 | 1.70 | 1.44 | 1.44 | 1.42 | 1.44 |
| 1950.0 | 1.56 | 1.42 | 1.41 | 1.40 | 1.42 |
| 1975.0 | 1.49 | 1.41 | 1.40 | 1.38 | 1.41 |
| 2000.0 | 1.43 | 1.40 | 1.40 | 1.37 | 1.40 |
| 2025.0 | 1.37 | 1.39 | 1.38 | 1.36 | 1.39 |
| 2050.0 | 1.32 | 1.38 | 1.36 | 1.35 | 1.38 |
| 2075.0 | 1.28 | 1.38 | 1.35 | 1.34 | 1.37 |
| 2100.0 | 1.23 | 1.37 | 1.34 | 1.33 | 1.36 |
| 2125.0 | 1.19 | 1.36 | 1.34 | 1.32 | 1.35 |
| 2150.0 | 1.16 | 1.35 | 1.34 | 1.31 | 1.34 |
| 2175.0 | 1.13 | 1.34 | 1.32 | 1.30 | 1.34 |
| 2200.0 | 1.11 | 1.33 | 1.30 | 1.29 | 1.33 |
| 2225.0 | 1.10 | 1.33 | 1.29 | 1.28 | 1.32 |
| 2250.0 | 1.11 | 1.32 | 1.29 | 1.27 | 1.32 |
| 2275.0 | 1.12 | 1.31 | 1.30 | 1.27 | 1.32 |
| 2300.0 | 1.14 | 1.31 | 1.29 | 1.26 | 1.31 |
| 2325.0 | 1.16 | 1.31 | 1.28 | 1.25 | 1.30 |
| 2350.0 | 1.19 | 1.30 | 1.27 | 1.24 | 1.30 |
| 2375.0 | 1.22 | 1.30 | 1.26 | 1.24 | 1.30 |
| 2400.0 | 1.25 | 1.29 | 1.26 | 1.23 | 1.30 |
| 2425.0 | 1.28 | 1.29 | 1.26 | 1.23 | 1.29 |
| 2450.0 | 1.31 | 1.29 | 1.26 | 1.22 | 1.29 |
| 2475.0 | 1.33 | 1.29 | 1.24 | 1.22 | 1.29 |
| 2500.0 | 1.36 | 1.29 | 1.23 | 1.21 | 1.29 |
| 2550.0 | 1.42 | 1.28 | 1.24 | 1.21 | 1.29 |
| 2575.0 | 1.46 | 1.28 | 1.24 | 1.20 | 1.29 |
| 2600.0 | 1.48 | 1.28 | 1.23 | 1.20 | 1.28 |
| 2625.0 | 1.51 | 1.28 | 1.22 | 1.20 | 1.28 |
| 2650.0 | 1.54 | 1.28 | 1.21 | 1.19 | 1.28 |
| 2675.0 | 1.57 | 1.28 | 1.22 | 1.19 | 1.28 |
| 2700.0 | 1.60 | 1.28 | 1.22 | 1.19 | 1.28 |
| 2725.0 | 1.63 | 1.28 | 1.22 | 1.18 | 1.28 |
| 2750.0 | 1.65 | 1.28 | 1.21 | 1.18 | 1.28 |
| 2775.0 | 1.68 | 1.28 | 1.20 | 1.18 | 1.27 |
| 2800.0 | 1.71 | 1.28 | 1.21 | 1.18 | 1.27 |
| 2825.0 | 1.74 | 1.27 | 1.22 | 1.18 | 1.27 |
| 2850.0 | 1.77 | 1.27 | 1.22 | 1.17 | 1.27 |
| 2875.0 | 1.79 | 1.27 | 1.21 | 1.17 | 1.27 |
| 2900.0 | 1.81 | 1.27 | 1.19 | 1.17 | 1.27 |
| 3000.0 | 1.92 | 1.27 | 1.21 | 1.16 | 1.27 |
| 3500.0 | 2.37 | 1.24 | 1.18 | 1.14 | 1.22 |
| 4000.0 | 2.75 | 1.21 | 1.14 | 1.13 | 1.15 |
| 4500.0 | 3.16 | 1.24 | 1.20 | 1.22 | 1.16 |
| 5000.0 | 3.54 | 1.35 | 1.33 | 1.39 | 1.34 |
| 5200.0 | 3.70 | 1.41 | 1.40 | 1.48 | 1.40 |
| 5400.0 | 3.81 | 1.48 | 1.51 | 1.57 | 1.52 |
| 5600.0 | 3.92 | 1.61 | 1.61 | 1.70 | 1.66 |
| 5800.0 | 4.01 | 1.67 | 1.71 | 1.80 | 1.75 |
| 6000.0 | 4.13 | 1.70 | 1.93 | 1.92 | 1.81 |

[1]Total Loss = Insertion Loss + 6dB Splitter Loss