

2 Way-0° Power Splitter/Combiner ADP-2-10-75M+

Typical Performance Data

TEST CONDITIONS: INPUT POWER = 0dBm @Temperature = +25°C

| FREQ. (MHz) | TOTAL LOSS ¹ (dB) | | AMP. UNBAL. (dB) | PHASE UNBAL. (deg.) | ISOLATION (dB) | VSWR (:1) | | |
|----------------|---------------------------------|-------|------------------------|---------------------------|-------------------|--------------|------|------|
| | S-1 | S-2 | | | | S | 1 | 2 |
| 5 | 3.33 | 3.33 | 0.00 | 0.01 | 25.75 | 1.11 | 1.14 | 1.14 |
| 10 | 3.32 | 3.32 | 0.00 | 0.02 | 26.59 | 1.09 | 1.11 | 1.11 |
| 20 | 3.33 | 3.33 | 0.00 | 0.01 | 26.74 | 1.09 | 1.10 | 1.10 |
| 30 | 3.34 | 3.33 | 0.01 | 0.01 | 26.73 | 1.09 | 1.10 | 1.10 |
| 40 | 3.35 | 3.34 | 0.01 | 0.01 | 26.76 | 1.09 | 1.10 | 1.10 |
| 50 | 3.36 | 3.35 | 0.01 | 0.02 | 26.85 | 1.09 | 1.10 | 1.10 |
| 75 | 3.38 | 3.37 | 0.01 | 0.03 | 26.98 | 1.09 | 1.10 | 1.10 |
| 100 | 3.39 | 3.38 | 0.01 | 0.03 | 27.17 | 1.09 | 1.10 | 1.10 |
| 125 | 3.41 | 3.40 | 0.01 | 0.06 | 27.26 | 1.08 | 1.09 | 1.09 |
| 150 | 3.42 | 3.41 | 0.01 | 0.04 | 27.50 | 1.08 | 1.09 | 1.09 |
| 175 | 3.43 | 3.42 | 0.01 | 0.06 | 27.61 | 1.08 | 1.09 | 1.09 |
| 200 | 3.44 | 3.43 | 0.01 | 0.06 | 27.83 | 1.09 | 1.09 | 1.09 |
| 250 | 3.46 | 3.45 | 0.01 | 0.08 | 28.19 | 1.09 | 1.09 | 1.09 |
| 300 | 3.49 | 3.48 | 0.01 | 0.08 | 28.38 | 1.09 | 1.09 | 1.09 |
| 350 | 3.51 | 3.50 | 0.01 | 0.09 | 28.56 | 1.09 | 1.10 | 1.09 |
| 400 | 3.53 | 3.53 | 0.00 | 0.11 | 28.80 | 1.09 | 1.10 | 1.09 |
| 450 | 3.56 | 3.55 | 0.01 | 0.13 | 28.83 | 1.09 | 1.10 | 1.09 |
| 500 | 3.59 | 3.58 | 0.01 | 0.13 | 28.89 | 1.09 | 1.10 | 1.09 |
| 550 | 3.62 | 3.61 | 0.01 | 0.18 | 28.96 | 1.09 | 1.10 | 1.09 |
| 600 | 3.65 | 3.64 | 0.01 | 0.19 | 28.84 | 1.08 | 1.11 | 1.09 |
| 650 | 3.69 | 3.68 | 0.01 | 0.17 | 28.81 | 1.07 | 1.11 | 1.09 |
| 700 | 3.73 | 3.71 | 0.02 | 0.16 | 28.76 | 1.07 | 1.12 | 1.09 |
| 750 | 3.77 | 3.75 | 0.02 | 0.11 | 28.34 | 1.07 | 1.12 | 1.10 |
| 800 | 3.82 | 3.79 | 0.03 | 0.05 | 27.91 | 1.07 | 1.13 | 1.10 |
| 850 | 3.86 | 3.84 | 0.02 | 0.01 | 27.49 | 1.07 | 1.14 | 1.11 |
| 900 | 3.91 | 3.90 | 0.01 | 0.02 | 27.21 | 1.07 | 1.15 | 1.12 |
| 925 | 3.94 | 3.92 | 0.02 | 0.10 | 27.38 | 1.07 | 1.15 | 1.13 |
| 950 | 3.96 | 3.96 | 0.00 | 0.02 | 27.30 | 1.07 | 1.16 | 1.14 |
| 975 | 4.00 | 3.97 | 0.03 | 0.01 | 27.05 | 1.08 | 1.16 | 1.14 |
| 1000 | 4.01 | 4.01 | 0.00 | 0.01 | 27.34 | 1.08 | 1.17 | 1.15 |
| 1025 | 4.06 | 4.04 | 0.02 | 0.04 | 27.43 | 1.08 | 1.18 | 1.15 |
| 1050 | 4.08 | 4.07 | 0.01 | 0.04 | 27.49 | 1.09 | 1.18 | 1.16 |
| 1075 | 4.12 | 4.10 | 0.02 | 0.11 | 28.21 | 1.09 | 1.19 | 1.16 |
| 1100 | 4.14 | 4.13 | 0.01 | 0.10 | 28.27 | 1.10 | 1.19 | 1.17 |
| 1125 | 4.17 | 4.16 | 0.02 | 0.16 | 29.56 | 1.10 | 1.20 | 1.18 |
| 1150 | 4.20 | 4.20 | 0.00 | 0.15 | 29.50 | 1.11 | 1.21 | 1.18 |
| 1175 | 4.25 | 4.23 | 0.02 | 0.31 | 31.77 | 1.12 | 1.21 | 1.19 |
| 1200 | 4.27 | 4.28 | 0.01 | 0.25 | 30.93 | 1.14 | 1.22 | 1.19 |
| 1225 | 4.33 | 4.32 | 0.02 | 0.44 | 32.36 | 1.16 | 1.23 | 1.20 |
| 1250 | 4.36 | 4.38 | 0.02 | 0.39 | 30.15 | 1.19 | 1.24 | 1.21 |
| 1275 | 4.43 | 4.43 | 0.01 | 0.63 | 29.59 | 1.21 | 1.25 | 1.22 |
| 1300 | 4.50 | 4.49 | 0.01 | 0.47 | 26.39 | 1.24 | 1.26 | 1.23 |
| 1350 | 4.68 | 4.67 | 0.01 | 0.65 | 22.84 | 1.31 | 1.29 | 1.25 |
| 1400 | 4.93 | 4.91 | 0.02 | 0.86 | 19.74 | 1.41 | 1.33 | 1.28 |
| 1450 | 5.28 | 5.25 | 0.03 | 1.07 | 17.26 | 1.53 | 1.37 | 1.32 |
| 1500 | 5.73 | 5.68 | 0.04 | 1.30 | 15.25 | 1.66 | 1.43 | 1.36 |
| 1600 | 7.00 | 6.94 | 0.06 | 1.70 | 12.15 | 2.02 | 1.56 | 1.47 |
| 1700 | 8.57 | 8.50 | 0.07 | 2.08 | 10.11 | 2.44 | 1.69 | 1.60 |
| 1800 | 10.42 | 10.35 | 0.07 | 2.51 | 8.57 | 2.89 | 1.82 | 1.72 |
| 1900 | 12.65 | 12.65 | 0.00 | 3.10 | 7.24 | 3.33 | 1.91 | 1.81 |
| 2000 | 15.37 | 15.49 | 0.12 | 4.01 | 6.17 | 3.61 | 1.94 | 1.85 |

¹Total Loss = Insertion Loss + 3dB Splitter Loss



2 Way-0° Power Splitter/Combiner ADP-2-10-75M+

Typical Performance Data

TEST CONDITIONS: INPUT POWER = 0dBm @Temperature = -40°C

| FREQ. (MHz) | TOTAL LOSS ¹ (dB) | | AMP. UNBAL. (dB) | PHASE UNBAL. (deg.) | ISOLATION (dB) | VSWR (:1) | | |
|----------------|---------------------------------|-------|------------------------|---------------------------|-------------------|--------------|------|------|
| | S-1 | S-2 | | | | S | 1 | 2 |
| 5 | 3.38 | 3.38 | 0.00 | 0.01 | 20.79 | 1.14 | 1.29 | 1.28 |
| 10 | 3.30 | 3.30 | 0.00 | 0.03 | 24.26 | 1.10 | 1.17 | 1.16 |
| 20 | 3.28 | 3.27 | 0.01 | 0.04 | 26.62 | 1.07 | 1.10 | 1.09 |
| 30 | 3.28 | 3.27 | 0.01 | 0.07 | 27.41 | 1.05 | 1.08 | 1.06 |
| 40 | 3.29 | 3.28 | 0.01 | 0.08 | 27.97 | 1.04 | 1.07 | 1.04 |
| 50 | 3.30 | 3.29 | 0.01 | 0.12 | 28.41 | 1.04 | 1.06 | 1.03 |
| 75 | 3.31 | 3.30 | 0.01 | 0.20 | 28.88 | 1.04 | 1.05 | 1.04 |
| 100 | 3.32 | 3.31 | 0.01 | 0.22 | 29.11 | 1.06 | 1.04 | 1.05 |
| 125 | 3.33 | 3.31 | 0.02 | 0.32 | 29.18 | 1.07 | 1.04 | 1.05 |
| 150 | 3.34 | 3.32 | 0.02 | 0.36 | 29.46 | 1.06 | 1.04 | 1.05 |
| 175 | 3.34 | 3.33 | 0.01 | 0.46 | 29.56 | 1.05 | 1.04 | 1.04 |
| 200 | 3.35 | 3.33 | 0.02 | 0.51 | 29.71 | 1.05 | 1.04 | 1.04 |
| 250 | 3.36 | 3.34 | 0.02 | 0.66 | 29.82 | 1.08 | 1.05 | 1.06 |
| 300 | 3.38 | 3.36 | 0.02 | 0.78 | 29.88 | 1.08 | 1.06 | 1.06 |
| 350 | 3.39 | 3.38 | 0.01 | 0.91 | 29.90 | 1.09 | 1.08 | 1.07 |
| 400 | 3.41 | 3.39 | 0.02 | 1.07 | 30.04 | 1.10 | 1.09 | 1.09 |
| 450 | 3.43 | 3.41 | 0.02 | 1.22 | 29.97 | 1.11 | 1.11 | 1.10 |
| 500 | 3.45 | 3.42 | 0.03 | 1.36 | 30.03 | 1.11 | 1.12 | 1.11 |
| 550 | 3.47 | 3.45 | 0.02 | 1.53 | 30.08 | 1.10 | 1.13 | 1.12 |
| 600 | 3.50 | 3.47 | 0.03 | 1.67 | 29.88 | 1.10 | 1.14 | 1.13 |
| 650 | 3.53 | 3.49 | 0.04 | 1.79 | 29.78 | 1.08 | 1.15 | 1.14 |
| 700 | 3.56 | 3.52 | 0.04 | 1.87 | 29.48 | 1.06 | 1.16 | 1.14 |
| 750 | 3.60 | 3.55 | 0.05 | 1.96 | 28.87 | 1.04 | 1.17 | 1.16 |
| 800 | 3.63 | 3.58 | 0.05 | 2.06 | 28.11 | 1.02 | 1.18 | 1.17 |
| 850 | 3.66 | 3.62 | 0.04 | 2.15 | 27.35 | 1.04 | 1.19 | 1.18 |
| 900 | 3.70 | 3.67 | 0.03 | 2.28 | 26.84 | 1.06 | 1.20 | 1.19 |
| 925 | 3.74 | 3.68 | 0.06 | 2.47 | 27.00 | 1.08 | 1.20 | 1.19 |
| 950 | 3.74 | 3.72 | 0.02 | 2.43 | 26.84 | 1.09 | 1.20 | 1.19 |
| 975 | 3.78 | 3.73 | 0.05 | 2.46 | 26.63 | 1.10 | 1.20 | 1.18 |
| 1000 | 3.80 | 3.76 | 0.04 | 2.53 | 26.84 | 1.10 | 1.20 | 1.18 |
| 1025 | 3.83 | 3.78 | 0.05 | 2.55 | 26.91 | 1.12 | 1.20 | 1.17 |
| 1050 | 3.85 | 3.81 | 0.04 | 2.64 | 27.09 | 1.13 | 1.20 | 1.17 |
| 1075 | 3.88 | 3.83 | 0.05 | 2.64 | 27.74 | 1.14 | 1.20 | 1.17 |
| 1100 | 3.90 | 3.86 | 0.04 | 2.75 | 27.97 | 1.14 | 1.20 | 1.16 |
| 1125 | 3.93 | 3.89 | 0.04 | 2.73 | 29.26 | 1.14 | 1.20 | 1.15 |
| 1150 | 3.95 | 3.91 | 0.04 | 2.83 | 29.33 | 1.15 | 1.19 | 1.15 |
| 1175 | 3.99 | 3.94 | 0.05 | 2.74 | 31.87 | 1.18 | 1.19 | 1.15 |
| 1200 | 4.01 | 3.98 | 0.03 | 2.88 | 31.20 | 1.21 | 1.19 | 1.15 |
| 1225 | 4.06 | 4.02 | 0.05 | 2.77 | 32.56 | 1.23 | 1.19 | 1.14 |
| 1250 | 4.09 | 4.06 | 0.03 | 2.92 | 29.81 | 1.26 | 1.20 | 1.13 |
| 1275 | 4.15 | 4.12 | 0.04 | 2.81 | 28.95 | 1.28 | 1.21 | 1.13 |
| 1300 | 4.21 | 4.17 | 0.04 | 3.01 | 25.53 | 1.32 | 1.23 | 1.16 |
| 1350 | 4.38 | 4.34 | 0.03 | 3.02 | 21.76 | 1.43 | 1.27 | 1.25 |
| 1400 | 4.63 | 4.58 | 0.05 | 2.98 | 18.66 | 1.53 | 1.34 | 1.35 |
| 1450 | 4.99 | 4.94 | 0.05 | 2.95 | 16.24 | 1.69 | 1.42 | 1.44 |
| 1500 | 5.47 | 5.41 | 0.06 | 2.86 | 14.30 | 1.85 | 1.51 | 1.55 |
| 1600 | 6.83 | 6.74 | 0.09 | 2.77 | 11.39 | 2.10 | 1.67 | 1.71 |
| 1700 | 8.44 | 8.35 | 0.09 | 2.68 | 9.48 | 2.33 | 1.78 | 1.77 |
| 1800 | 10.27 | 10.21 | 0.06 | 2.77 | 8.04 | 2.63 | 1.84 | 1.69 |
| 1900 | 12.45 | 12.46 | 0.02 | 3.19 | 6.76 | 3.21 | 1.87 | 1.64 |
| 2000 | 15.18 | 15.36 | 0.18 | 2.34 | 5.66 | 4.29 | 1.91 | 1.60 |

¹Total Loss = Insertion Loss + 3dB Splitter Loss

2 Way-0° Power Splitter/Combiner ADP-2-10-75M+

Typical Performance Data

TEST CONDITIONS: INPUT POWER = 0dBm @Temperature = +85°C

| FREQ. (MHz) | TOTAL LOSS ¹ (dB) | | AMP. UNBAL. (dB) | PHASE UNBAL. (deg.) | ISOLATION (dB) | VSWR (:1) | | |
|----------------|---------------------------------|-------|------------------------|---------------------------|-------------------|--------------|------|------|
| | S-1 | S-2 | | | | S | 1 | 2 |
| 5 | 3.42 | 3.42 | 0.00 | 0.01 | 23.06 | 1.12 | 1.20 | 1.20 |
| 10 | 3.42 | 3.41 | 0.01 | 0.01 | 23.86 | 1.11 | 1.17 | 1.17 |
| 20 | 3.42 | 3.42 | 0.00 | 0.01 | 23.97 | 1.11 | 1.16 | 1.17 |
| 30 | 3.43 | 3.43 | 0.00 | 0.02 | 23.97 | 1.12 | 1.16 | 1.17 |
| 40 | 3.44 | 3.44 | 0.00 | 0.02 | 23.99 | 1.13 | 1.16 | 1.18 |
| 50 | 3.45 | 3.45 | 0.00 | 0.02 | 24.02 | 1.13 | 1.16 | 1.19 |
| 75 | 3.47 | 3.47 | 0.00 | 0.05 | 24.15 | 1.14 | 1.16 | 1.19 |
| 100 | 3.49 | 3.48 | 0.01 | 0.09 | 24.34 | 1.12 | 1.16 | 1.17 |
| 125 | 3.51 | 3.50 | 0.01 | 0.07 | 24.47 | 1.11 | 1.16 | 1.15 |
| 150 | 3.52 | 3.52 | 0.00 | 0.07 | 24.68 | 1.10 | 1.16 | 1.15 |
| 175 | 3.54 | 3.53 | 0.01 | 0.07 | 24.78 | 1.11 | 1.16 | 1.15 |
| 200 | 3.55 | 3.55 | 0.00 | 0.10 | 24.99 | 1.11 | 1.15 | 1.15 |
| 250 | 3.58 | 3.57 | 0.01 | 0.12 | 25.37 | 1.10 | 1.14 | 1.13 |
| 300 | 3.61 | 3.60 | 0.01 | 0.15 | 25.58 | 1.09 | 1.13 | 1.12 |
| 350 | 3.64 | 3.64 | 0.00 | 0.18 | 25.79 | 1.09 | 1.12 | 1.11 |
| 400 | 3.67 | 3.67 | 0.00 | 0.19 | 26.02 | 1.08 | 1.11 | 1.10 |
| 450 | 3.70 | 3.70 | 0.00 | 0.18 | 26.13 | 1.08 | 1.10 | 1.09 |
| 500 | 3.74 | 3.74 | 0.00 | 0.22 | 26.21 | 1.08 | 1.10 | 1.08 |
| 550 | 3.78 | 3.78 | 0.00 | 0.21 | 26.36 | 1.09 | 1.09 | 1.07 |
| 600 | 3.82 | 3.82 | 0.00 | 0.24 | 26.39 | 1.09 | 1.09 | 1.07 |
| 650 | 3.87 | 3.86 | 0.01 | 0.28 | 26.53 | 1.09 | 1.08 | 1.06 |
| 700 | 3.92 | 3.90 | 0.02 | 0.31 | 26.69 | 1.10 | 1.08 | 1.06 |
| 750 | 3.97 | 3.95 | 0.02 | 0.40 | 26.66 | 1.11 | 1.09 | 1.06 |
| 800 | 4.02 | 4.00 | 0.02 | 0.44 | 26.62 | 1.11 | 1.09 | 1.06 |
| 850 | 4.07 | 4.06 | 0.01 | 0.51 | 26.68 | 1.11 | 1.10 | 1.07 |
| 900 | 4.12 | 4.12 | 0.00 | 0.61 | 26.76 | 1.11 | 1.12 | 1.09 |
| 925 | 4.16 | 4.14 | 0.02 | 0.51 | 26.93 | 1.11 | 1.12 | 1.10 |
| 950 | 4.18 | 4.18 | 0.00 | 0.69 | 27.03 | 1.10 | 1.13 | 1.11 |
| 975 | 4.22 | 4.21 | 0.01 | 0.68 | 26.87 | 1.10 | 1.14 | 1.12 |
| 1000 | 4.24 | 4.24 | 0.00 | 0.78 | 27.24 | 1.10 | 1.15 | 1.13 |
| 1025 | 4.29 | 4.28 | 0.01 | 0.82 | 27.43 | 1.10 | 1.16 | 1.14 |
| 1050 | 4.31 | 4.32 | 0.01 | 0.90 | 27.47 | 1.10 | 1.17 | 1.15 |
| 1075 | 4.36 | 4.35 | 0.01 | 0.94 | 28.43 | 1.10 | 1.18 | 1.16 |
| 1100 | 4.39 | 4.39 | 0.00 | 0.97 | 28.46 | 1.11 | 1.20 | 1.18 |
| 1125 | 4.43 | 4.42 | 0.01 | 1.04 | 29.87 | 1.11 | 1.21 | 1.19 |
| 1150 | 4.46 | 4.46 | 0.00 | 1.08 | 30.20 | 1.12 | 1.22 | 1.20 |
| 1175 | 4.51 | 4.50 | 0.01 | 1.25 | 32.87 | 1.12 | 1.22 | 1.21 |
| 1200 | 4.54 | 4.55 | 0.01 | 1.26 | 33.40 | 1.13 | 1.24 | 1.21 |
| 1225 | 4.61 | 4.59 | 0.02 | 1.45 | 37.33 | 1.15 | 1.24 | 1.22 |
| 1250 | 4.65 | 4.66 | 0.01 | 1.46 | 36.38 | 1.17 | 1.25 | 1.23 |
| 1275 | 4.72 | 4.72 | 0.01 | 1.71 | 36.14 | 1.19 | 1.26 | 1.24 |
| 1300 | 4.79 | 4.79 | 0.00 | 1.57 | 30.77 | 1.21 | 1.27 | 1.24 |
| 1350 | 4.99 | 4.96 | 0.02 | 1.74 | 25.80 | 1.26 | 1.29 | 1.24 |
| 1400 | 5.24 | 5.20 | 0.04 | 1.98 | 22.01 | 1.35 | 1.32 | 1.25 |
| 1450 | 5.58 | 5.53 | 0.05 | 2.22 | 19.15 | 1.46 | 1.35 | 1.26 |
| 1500 | 6.02 | 5.95 | 0.07 | 2.53 | 16.90 | 1.59 | 1.39 | 1.29 |
| 1600 | 7.22 | 7.12 | 0.10 | 3.05 | 13.46 | 1.99 | 1.52 | 1.40 |
| 1700 | 8.71 | 8.59 | 0.12 | 3.55 | 11.20 | 2.49 | 1.68 | 1.58 |
| 1800 | 10.47 | 10.33 | 0.14 | 4.21 | 9.50 | 2.98 | 1.85 | 1.79 |
| 1900 | 12.61 | 12.52 | 0.09 | 4.62 | 8.05 | 3.31 | 1.97 | 1.95 |
| 2000 | 15.26 | 15.21 | 0.05 | 5.84 | 6.90 | 3.34 | 1.97 | 2.00 |

¹Total Loss = Insertion Loss + 3dB Splitter Loss

