

4 Way-0° Power Splitter/Combiner

SCA-4-10-75+

Typical Performance Data

| FREQ. (MHz) | TOTAL LOSS ¹ (dB) | | | | AMP. UNBAL. (dB) | ISOLATION (dB) | | | PHASE UNBAL. (deg.) | FREQ. (MHz) | VSWR (:1) | | | | |
|----------------|---------------------------------|------|------|------|------------------------|-------------------|-------|-------|---------------------------|----------------|--------------|------|------|------|------|
| | S-1 | S-2 | S-3 | S-4 | | 1-2 | 1-3 | 2-3 | | | S | 1 | 2 | 3 | 4 |
| 10.0 | 7.21 | 6.78 | 7.13 | 7.53 | 0.74 | 34.55 | 47.68 | 47.34 | 1.86 | 10.0 | 1.11 | 1.61 | 1.48 | 1.51 | 1.64 |
| 20.0 | 7.12 | 6.73 | 7.07 | 7.44 | 0.71 | 39.97 | 49.71 | 49.42 | 1.17 | 20.0 | 1.03 | 1.55 | 1.43 | 1.47 | 1.59 |
| 30.0 | 7.10 | 6.74 | 7.07 | 7.41 | 0.67 | 44.36 | 52.11 | 51.64 | 0.88 | 30.0 | 1.02 | 1.53 | 1.43 | 1.47 | 1.57 |
| 40.0 | 7.14 | 6.76 | 7.09 | 7.45 | 0.70 | 50.25 | 51.05 | 50.62 | 0.72 | 40.0 | 1.03 | 1.53 | 1.42 | 1.46 | 1.57 |
| 50.0 | 7.12 | 6.75 | 7.07 | 7.43 | 0.68 | 55.90 | 49.10 | 48.97 | 0.85 | 50.0 | 1.05 | 1.52 | 1.42 | 1.46 | 1.57 |
| 60.0 | 7.12 | 6.77 | 7.11 | 7.44 | 0.67 | 57.22 | 47.96 | 47.55 | 0.77 | 60.0 | 1.06 | 1.53 | 1.42 | 1.46 | 1.57 |
| 70.0 | 7.15 | 6.77 | 7.09 | 7.47 | 0.70 | 59.48 | 48.21 | 47.92 | 0.80 | 70.0 | 1.08 | 1.52 | 1.42 | 1.45 | 1.56 |
| 80.0 | 7.14 | 6.77 | 7.09 | 7.44 | 0.67 | 61.61 | 49.98 | 49.57 | 1.04 | 80.0 | 1.10 | 1.51 | 1.42 | 1.45 | 1.56 |
| 90.0 | 7.16 | 6.81 | 7.13 | 7.47 | 0.66 | 57.92 | 50.92 | 51.12 | 0.71 | 90.0 | 1.11 | 1.51 | 1.42 | 1.46 | 1.56 |
| 100.0 | 7.16 | 6.77 | 7.10 | 7.48 | 0.71 | 54.20 | 51.26 | 50.69 | 0.94 | 100.0 | 1.14 | 1.51 | 1.43 | 1.46 | 1.55 |
| 150.0 | 7.22 | 6.83 | 7.15 | 7.53 | 0.70 | 46.44 | 55.42 | 55.32 | 1.21 | 150.0 | 1.21 | 1.50 | 1.43 | 1.45 | 1.54 |
| 200.0 | 7.22 | 6.87 | 7.17 | 7.53 | 0.66 | 40.79 | 65.07 | 60.68 | 1.45 | 200.0 | 1.28 | 1.50 | 1.44 | 1.45 | 1.52 |
| 250.0 | 7.23 | 6.91 | 7.20 | 7.53 | 0.62 | 36.85 | 55.84 | 51.75 | 1.84 | 250.0 | 1.35 | 1.49 | 1.45 | 1.44 | 1.51 |
| 275.0 | 7.25 | 6.94 | 7.22 | 7.52 | 0.58 | 34.48 | 48.29 | 45.38 | 2.08 | 275.0 | 1.39 | 1.49 | 1.46 | 1.46 | 1.51 |
| 300.0 | 7.28 | 6.95 | 7.24 | 7.56 | 0.61 | 33.63 | 48.42 | 44.66 | 2.13 | 300.0 | 1.41 | 1.48 | 1.45 | 1.44 | 1.49 |
| 325.0 | 7.32 | 7.00 | 7.27 | 7.58 | 0.59 | 31.80 | 43.90 | 41.54 | 2.29 | 325.0 | 1.44 | 1.48 | 1.46 | 1.45 | 1.49 |
| 350.0 | 7.30 | 6.98 | 7.26 | 7.56 | 0.58 | 30.57 | 41.89 | 39.62 | 2.28 | 350.0 | 1.45 | 1.46 | 1.46 | 1.44 | 1.47 |
| 375.0 | 7.30 | 6.99 | 7.26 | 7.56 | 0.57 | 29.52 | 41.29 | 38.95 | 2.41 | 375.0 | 1.48 | 1.46 | 1.46 | 1.44 | 1.46 |
| 400.0 | 7.30 | 7.01 | 7.27 | 7.56 | 0.55 | 28.11 | 38.54 | 36.47 | 2.40 | 400.0 | 1.49 | 1.46 | 1.46 | 1.43 | 1.45 |
| 425.0 | 7.30 | 7.00 | 7.28 | 7.56 | 0.55 | 27.37 | 37.95 | 35.86 | 2.58 | 425.0 | 1.49 | 1.45 | 1.46 | 1.43 | 1.44 |
| 450.0 | 7.35 | 7.04 | 7.30 | 7.60 | 0.57 | 26.35 | 36.63 | 34.59 | 2.63 | 450.0 | 1.49 | 1.44 | 1.45 | 1.43 | 1.43 |
| 475.0 | 7.33 | 7.03 | 7.32 | 7.58 | 0.55 | 25.55 | 35.48 | 33.58 | 3.03 | 475.0 | 1.50 | 1.43 | 1.45 | 1.41 | 1.42 |
| 500.0 | 7.35 | 7.03 | 7.31 | 7.59 | 0.56 | 24.85 | 34.71 | 32.80 | 2.83 | 500.0 | 1.50 | 1.42 | 1.44 | 1.41 | 1.41 |
| 525.0 | 7.36 | 7.02 | 7.31 | 7.59 | 0.56 | 24.17 | 33.84 | 32.06 | 3.03 | 525.0 | 1.50 | 1.40 | 1.43 | 1.41 | 1.39 |
| 550.0 | 7.36 | 7.01 | 7.31 | 7.59 | 0.59 | 23.54 | 33.26 | 31.51 | 2.92 | 550.0 | 1.50 | 1.41 | 1.42 | 1.39 | 1.39 |
| 575.0 | 7.35 | 7.01 | 7.30 | 7.59 | 0.57 | 22.92 | 32.37 | 30.70 | 3.11 | 575.0 | 1.49 | 1.39 | 1.42 | 1.39 | 1.37 |
| 600.0 | 7.37 | 7.02 | 7.32 | 7.60 | 0.58 | 22.50 | 32.13 | 30.41 | 2.98 | 600.0 | 1.48 | 1.38 | 1.40 | 1.38 | 1.36 |
| 625.0 | 7.39 | 7.06 | 7.35 | 7.62 | 0.56 | 21.86 | 31.45 | 29.78 | 3.12 | 625.0 | 1.50 | 1.37 | 1.39 | 1.36 | 1.35 |
| 650.0 | 7.39 | 7.04 | 7.35 | 7.63 | 0.59 | 21.50 | 30.85 | 29.23 | 3.11 | 650.0 | 1.48 | 1.36 | 1.39 | 1.36 | 1.34 |
| 675.0 | 7.43 | 7.08 | 7.38 | 7.65 | 0.57 | 21.11 | 30.87 | 29.12 | 3.31 | 675.0 | 1.49 | 1.34 | 1.37 | 1.35 | 1.33 |
| 700.0 | 7.46 | 7.11 | 7.40 | 7.67 | 0.56 | 20.63 | 30.04 | 28.44 | 3.53 | 700.0 | 1.49 | 1.34 | 1.37 | 1.34 | 1.33 |
| 750.0 | 7.50 | 7.14 | 7.43 | 7.70 | 0.56 | 19.98 | 29.78 | 28.11 | 3.53 | 750.0 | 1.51 | 1.32 | 1.34 | 1.33 | 1.31 |
| 800.0 | 7.54 | 7.15 | 7.45 | 7.75 | 0.59 | 19.37 | 29.15 | 27.66 | 3.59 | 800.0 | 1.53 | 1.31 | 1.32 | 1.31 | 1.30 |
| 850.0 | 7.61 | 7.23 | 7.52 | 7.80 | 0.57 | 18.70 | 28.59 | 27.23 | 3.81 | 850.0 | 1.53 | 1.29 | 1.29 | 1.30 | 1.29 |
| 875.0 | 7.65 | 7.24 | 7.53 | 7.83 | 0.58 | 18.42 | 28.36 | 26.90 | 3.96 | 875.0 | 1.54 | 1.29 | 1.30 | 1.28 | 1.29 |
| 900.0 | 7.64 | 7.26 | 7.54 | 7.82 | 0.56 | 18.17 | 28.23 | 26.83 | 4.14 | 900.0 | 1.55 | 1.28 | 1.27 | 1.29 | 1.29 |
| 925.0 | 7.69 | 7.28 | 7.57 | 7.85 | 0.57 | 17.84 | 27.85 | 26.45 | 4.33 | 925.0 | 1.57 | 1.29 | 1.28 | 1.28 | 1.29 |
| 950.0 | 7.73 | 7.31 | 7.60 | 7.88 | 0.57 | 17.63 | 27.54 | 26.25 | 4.30 | 950.0 | 1.56 | 1.27 | 1.25 | 1.26 | 1.29 |
| 975.0 | 7.80 | 7.36 | 7.65 | 7.94 | 0.58 | 17.41 | 27.49 | 26.24 | 4.50 | 975.0 | 1.59 | 1.29 | 1.27 | 1.27 | 1.30 |
| 1000.0 | 7.84 | 7.40 | 7.67 | 7.98 | 0.57 | 17.09 | 26.99 | 25.74 | 4.59 | 1000.0 | 1.59 | 1.26 | 1.24 | 1.25 | 1.29 |

¹ Total Loss = Insertion Loss+ 6dB Splitter Loss

