

4 Way-0° Power Splitter/Combiner

SCP-4-4-75

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 | 2-3 | 3-4 | | | S | 1 | 2 | 3 | 4 |
| 10.0 | 6.56 | 6.48 | 6.57 | 6.50 | 0.09 | 26.09 | 39.05 | 25.95 | 0.09 | 10.0 | 1.11 | 1.27 | 1.27 | 1.28 | 1.28 |
| 19.0 | 6.57 | 6.51 | 6.59 | 6.52 | 0.08 | 26.13 | 39.74 | 25.94 | 0.06 | 19.0 | 1.11 | 1.26 | 1.26 | 1.27 | 1.27 |
| 28.0 | 6.58 | 6.51 | 6.59 | 6.53 | 0.08 | 25.99 | 39.79 | 25.80 | 0.07 | 28.0 | 1.11 | 1.26 | 1.26 | 1.27 | 1.27 |
| 37.0 | 6.60 | 6.51 | 6.59 | 6.53 | 0.08 | 25.86 | 39.67 | 25.73 | 0.10 | 37.0 | 1.11 | 1.26 | 1.26 | 1.27 | 1.27 |
| 46.0 | 6.60 | 6.51 | 6.59 | 6.53 | 0.08 | 25.80 | 39.53 | 25.75 | 0.10 | 46.0 | 1.11 | 1.27 | 1.27 | 1.28 | 1.26 |
| 55.0 | 6.61 | 6.52 | 6.60 | 6.54 | 0.09 | 25.78 | 39.20 | 25.75 | 0.07 | 55.0 | 1.11 | 1.27 | 1.27 | 1.28 | 1.26 |
| 64.0 | 6.62 | 6.54 | 6.62 | 6.57 | 0.08 | 25.79 | 38.91 | 25.81 | 0.08 | 64.0 | 1.11 | 1.27 | 1.27 | 1.28 | 1.26 |
| 73.0 | 6.64 | 6.56 | 6.64 | 6.57 | 0.08 | 25.82 | 38.65 | 25.88 | 0.07 | 73.0 | 1.11 | 1.27 | 1.27 | 1.28 | 1.26 |
| 82.0 | 6.63 | 6.56 | 6.64 | 6.58 | 0.08 | 25.86 | 38.34 | 25.94 | 0.11 | 82.0 | 1.11 | 1.27 | 1.27 | 1.28 | 1.26 |
| 91.0 | 6.63 | 6.56 | 6.63 | 6.57 | 0.07 | 25.87 | 38.16 | 25.99 | 0.09 | 91.0 | 1.11 | 1.27 | 1.27 | 1.28 | 1.26 |
| 100.0 | 6.65 | 6.56 | 6.64 | 6.58 | 0.08 | 25.93 | 37.97 | 26.04 | 0.10 | 100.0 | 1.11 | 1.27 | 1.27 | 1.28 | 1.26 |
| 125.0 | 6.66 | 6.58 | 6.65 | 6.58 | 0.08 | 26.12 | 37.42 | 26.25 | 0.20 | 125.0 | 1.11 | 1.27 | 1.27 | 1.27 | 1.26 |
| 150.0 | 6.66 | 6.59 | 6.66 | 6.58 | 0.08 | 26.33 | 36.98 | 26.45 | 0.23 | 150.0 | 1.10 | 1.27 | 1.27 | 1.27 | 1.26 |
| 175.0 | 6.69 | 6.63 | 6.68 | 6.62 | 0.07 | 26.62 | 36.41 | 26.60 | 0.12 | 175.0 | 1.10 | 1.27 | 1.27 | 1.27 | 1.26 |
| 200.0 | 6.71 | 6.64 | 6.71 | 6.63 | 0.08 | 26.87 | 35.99 | 26.84 | 0.20 | 200.0 | 1.10 | 1.26 | 1.27 | 1.27 | 1.26 |
| 225.0 | 6.70 | 6.63 | 6.70 | 6.62 | 0.08 | 27.10 | 35.46 | 27.04 | 0.28 | 225.0 | 1.11 | 1.26 | 1.26 | 1.27 | 1.26 |
| 250.0 | 6.69 | 6.63 | 6.70 | 6.60 | 0.09 | 27.37 | 34.78 | 27.18 | 0.32 | 250.0 | 1.10 | 1.26 | 1.26 | 1.26 | 1.25 |
| 275.0 | 6.73 | 6.67 | 6.74 | 6.63 | 0.11 | 27.64 | 34.09 | 27.28 | 0.26 | 275.0 | 1.10 | 1.25 | 1.26 | 1.26 | 1.25 |
| 300.0 | 6.74 | 6.69 | 6.76 | 6.66 | 0.09 | 27.81 | 33.46 | 27.40 | 0.27 | 300.0 | 1.10 | 1.25 | 1.26 | 1.26 | 1.25 |
| 325.0 | 6.73 | 6.71 | 6.76 | 6.65 | 0.11 | 27.86 | 32.73 | 27.45 | 0.27 | 325.0 | 1.10 | 1.25 | 1.26 | 1.26 | 1.24 |
| 350.0 | 6.72 | 6.68 | 6.75 | 6.65 | 0.10 | 27.84 | 31.86 | 27.36 | 0.27 | 350.0 | 1.10 | 1.25 | 1.26 | 1.25 | 1.24 |
| 375.0 | 6.74 | 6.73 | 6.75 | 6.65 | 0.10 | 27.71 | 31.11 | 27.24 | 0.39 | 375.0 | 1.10 | 1.24 | 1.25 | 1.25 | 1.24 |
| 400.0 | 6.77 | 6.75 | 6.78 | 6.67 | 0.11 | 27.46 | 30.36 | 27.05 | 0.36 | 400.0 | 1.10 | 1.24 | 1.25 | 1.25 | 1.23 |
| 425.0 | 6.80 | 6.77 | 6.80 | 6.68 | 0.13 | 27.09 | 29.59 | 26.76 | 0.34 | 425.0 | 1.10 | 1.24 | 1.25 | 1.24 | 1.22 |
| 450.0 | 6.81 | 6.76 | 6.80 | 6.67 | 0.14 | 26.59 | 28.85 | 26.42 | 0.32 | 450.0 | 1.09 | 1.23 | 1.24 | 1.23 | 1.22 |
| 475.0 | 6.81 | 6.80 | 6.81 | 6.68 | 0.13 | 26.09 | 28.14 | 26.13 | 0.36 | 475.0 | 1.09 | 1.23 | 1.24 | 1.23 | 1.21 |
| 500.0 | 6.85 | 6.82 | 6.85 | 6.71 | 0.15 | 25.59 | 27.43 | 25.69 | 0.37 | 500.0 | 1.08 | 1.22 | 1.24 | 1.22 | 1.21 |
| 525.0 | 6.86 | 6.85 | 6.85 | 6.72 | 0.14 | 25.03 | 26.77 | 25.28 | 0.35 | 525.0 | 1.08 | 1.22 | 1.23 | 1.21 | 1.20 |
| 550.0 | 6.88 | 6.87 | 6.86 | 6.72 | 0.17 | 24.46 | 26.13 | 24.92 | 0.45 | 550.0 | 1.07 | 1.21 | 1.23 | 1.21 | 1.19 |
| 575.0 | 6.90 | 6.89 | 6.88 | 6.73 | 0.17 | 23.96 | 25.56 | 24.52 | 0.52 | 575.0 | 1.07 | 1.21 | 1.22 | 1.20 | 1.19 |
| 600.0 | 6.92 | 6.93 | 6.91 | 6.75 | 0.17 | 23.47 | 24.98 | 24.18 | 0.56 | 600.0 | 1.07 | 1.20 | 1.22 | 1.19 | 1.18 |
| 625.0 | 6.96 | 6.95 | 6.93 | 6.77 | 0.19 | 23.04 | 24.46 | 23.85 | 0.58 | 625.0 | 1.07 | 1.19 | 1.22 | 1.19 | 1.17 |
| 650.0 | 6.98 | 6.99 | 6.95 | 6.78 | 0.22 | 22.67 | 23.98 | 23.58 | 0.59 | 650.0 | 1.07 | 1.19 | 1.21 | 1.18 | 1.17 |
| 675.0 | 6.99 | 7.03 | 6.98 | 6.79 | 0.23 | 22.32 | 23.54 | 23.35 | 0.69 | 675.0 | 1.07 | 1.18 | 1.21 | 1.17 | 1.16 |
| 700.0 | 7.02 | 7.06 | 7.01 | 6.82 | 0.24 | 22.02 | 23.11 | 23.17 | 0.80 | 700.0 | 1.08 | 1.18 | 1.21 | 1.17 | 1.16 |
| 750.0 | 7.07 | 7.14 | 7.06 | 6.85 | 0.29 | 21.62 | 22.43 | 23.02 | 0.94 | 750.0 | 1.09 | 1.17 | 1.20 | 1.17 | 1.15 |
| 800.0 | 7.13 | 7.23 | 7.12 | 6.89 | 0.34 | 21.45 | 21.82 | 23.10 | 1.35 | 800.0 | 1.11 | 1.17 | 1.21 | 1.17 | 1.15 |
| 850.0 | 7.16 | 7.28 | 7.14 | 6.89 | 0.39 | 21.38 | 21.37 | 23.46 | 1.76 | 850.0 | 1.13 | 1.18 | 1.22 | 1.18 | 1.15 |
| 900.0 | 7.22 | 7.36 | 7.20 | 6.91 | 0.45 | 21.50 | 20.98 | 24.05 | 2.14 | 900.0 | 1.14 | 1.19 | 1.23 | 1.19 | 1.15 |
| 950.0 | 7.27 | 7.45 | 7.23 | 6.92 | 0.52 | 21.57 | 20.80 | 24.89 | 2.57 | 950.0 | 1.14 | 1.21 | 1.26 | 1.22 | 1.17 |
| 1000.0 | 7.32 | 7.55 | 7.29 | 6.96 | 0.59 | 21.44 | 20.64 | 25.48 | 3.07 | 1000.0 | 1.13 | 1.24 | 1.29 | 1.25 | 1.21 |

¹ Total Loss = Insertion Loss+ 6dB Splitter Loss

