

4 Way-0° Power Splitter/Combiner

PSC-4-1W-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 |
| 5.0 | 6.51 | 6.51 | 6.52 | 6.52 | 0.01 | 35.28 | 39.10 | 35.17 | 0.17 | 5.0 | 1.12 | 1.19 | 1.19 | 1.20 | 1.20 |
| 5.5 | 6.52 | 6.53 | 6.52 | 6.52 | 0.01 | 36.27 | 39.18 | 35.98 | 0.20 | 5.5 | 1.12 | 1.18 | 1.18 | 1.19 | 1.19 |
| 6.0 | 6.55 | 6.51 | 6.52 | 6.54 | 0.04 | 37.15 | 39.22 | 36.79 | 0.09 | 6.0 | 1.12 | 1.18 | 1.18 | 1.19 | 1.19 |
| 6.5 | 6.52 | 6.52 | 6.52 | 6.53 | 0.01 | 38.02 | 39.27 | 37.65 | 0.21 | 6.5 | 1.12 | 1.18 | 1.18 | 1.18 | 1.18 |
| 7.0 | 6.54 | 6.53 | 6.55 | 6.53 | 0.02 | 38.87 | 39.36 | 38.34 | 0.01 | 7.0 | 1.11 | 1.17 | 1.17 | 1.18 | 1.18 |
| 7.5 | 6.53 | 6.52 | 6.53 | 6.51 | 0.02 | 39.70 | 39.42 | 39.01 | 0.21 | 7.5 | 1.11 | 1.17 | 1.17 | 1.18 | 1.18 |
| 8.0 | 6.53 | 6.53 | 6.52 | 6.54 | 0.01 | 40.41 | 39.33 | 39.64 | 0.05 | 8.0 | 1.11 | 1.17 | 1.17 | 1.18 | 1.18 |
| 8.5 | 6.54 | 6.53 | 6.53 | 6.53 | 0.01 | 41.38 | 39.34 | 40.23 | 0.11 | 8.5 | 1.11 | 1.17 | 1.17 | 1.17 | 1.17 |
| 9.0 | 6.50 | 6.51 | 6.51 | 6.50 | 0.01 | 41.99 | 39.36 | 41.00 | 0.09 | 9.0 | 1.11 | 1.17 | 1.17 | 1.17 | 1.17 |
| 9.5 | 6.54 | 6.52 | 6.52 | 6.52 | 0.02 | 42.82 | 39.45 | 41.52 | 0.17 | 9.5 | 1.11 | 1.16 | 1.16 | 1.17 | 1.17 |
| 10.0 | 6.51 | 6.52 | 6.52 | 6.52 | 0.01 | 43.67 | 39.40 | 42.13 | 0.29 | 10.0 | 1.11 | 1.16 | 1.16 | 1.17 | 1.17 |
| 20.0 | 6.54 | 6.54 | 6.52 | 6.56 | 0.04 | 52.88 | 39.30 | 46.74 | 0.16 | 20.0 | 1.11 | 1.16 | 1.16 | 1.16 | 1.16 |
| 30.0 | 6.54 | 6.55 | 6.56 | 6.54 | 0.01 | 48.89 | 39.12 | 45.55 | 0.11 | 30.0 | 1.11 | 1.16 | 1.16 | 1.16 | 1.16 |
| 40.0 | 6.56 | 6.56 | 6.55 | 6.55 | 0.01 | 45.63 | 38.89 | 44.09 | 0.24 | 40.0 | 1.11 | 1.16 | 1.16 | 1.16 | 1.16 |
| 50.0 | 6.57 | 6.54 | 6.56 | 6.56 | 0.02 | 44.04 | 38.63 | 42.83 | 0.24 | 50.0 | 1.10 | 1.15 | 1.15 | 1.16 | 1.16 |
| 60.0 | 6.57 | 6.58 | 6.57 | 6.58 | 0.01 | 42.38 | 38.42 | 41.80 | 0.02 | 60.0 | 1.10 | 1.15 | 1.15 | 1.16 | 1.16 |
| 70.0 | 6.58 | 6.57 | 6.56 | 6.56 | 0.02 | 40.97 | 38.22 | 41.00 | 0.19 | 70.0 | 1.10 | 1.15 | 1.15 | 1.16 | 1.16 |
| 80.0 | 6.57 | 6.56 | 6.57 | 6.58 | 0.02 | 39.81 | 38.10 | 39.93 | 0.25 | 80.0 | 1.10 | 1.15 | 1.15 | 1.15 | 1.15 |
| 90.0 | 6.56 | 6.57 | 6.56 | 6.57 | 0.02 | 38.95 | 37.90 | 39.04 | 0.25 | 90.0 | 1.10 | 1.15 | 1.15 | 1.15 | 1.15 |
| 100.0 | 6.56 | 6.57 | 6.57 | 6.57 | 0.01 | 37.96 | 37.57 | 38.38 | 0.28 | 100.0 | 1.10 | 1.15 | 1.14 | 1.15 | 1.15 |
| 140.0 | 6.60 | 6.60 | 6.62 | 6.58 | 0.03 | 35.20 | 36.74 | 35.67 | 0.30 | 140.0 | 1.10 | 1.14 | 1.14 | 1.14 | 1.14 |
| 180.0 | 6.60 | 6.59 | 6.58 | 6.60 | 0.03 | 33.07 | 35.93 | 33.66 | 0.38 | 180.0 | 1.11 | 1.13 | 1.13 | 1.14 | 1.13 |
| 220.0 | 6.63 | 6.63 | 6.63 | 6.65 | 0.02 | 31.49 | 35.22 | 32.09 | 0.49 | 220.0 | 1.12 | 1.13 | 1.13 | 1.13 | 1.13 |
| 260.0 | 6.59 | 6.59 | 6.56 | 6.61 | 0.05 | 30.11 | 34.39 | 30.64 | 0.56 | 260.0 | 1.12 | 1.13 | 1.12 | 1.13 | 1.13 |
| 300.0 | 6.61 | 6.65 | 6.64 | 6.68 | 0.07 | 28.98 | 33.69 | 29.55 | 0.67 | 300.0 | 1.13 | 1.13 | 1.13 | 1.14 | 1.13 |
| 325.0 | 6.62 | 6.63 | 6.63 | 6.69 | 0.07 | 28.37 | 33.11 | 28.89 | 0.41 | 325.0 | 1.13 | 1.13 | 1.13 | 1.14 | 1.13 |
| 340.0 | 6.60 | 6.60 | 6.62 | 6.65 | 0.05 | 27.99 | 32.86 | 28.49 | 0.46 | 340.0 | 1.14 | 1.14 | 1.13 | 1.14 | 1.13 |
| 380.0 | 6.60 | 6.64 | 6.66 | 6.71 | 0.10 | 27.07 | 32.08 | 27.65 | 0.61 | 380.0 | 1.14 | 1.15 | 1.14 | 1.15 | 1.14 |
| 410.0 | 6.63 | 6.64 | 6.64 | 6.72 | 0.09 | 26.55 | 31.50 | 27.03 | 0.61 | 410.0 | 1.14 | 1.16 | 1.15 | 1.16 | 1.14 |
| 440.0 | 6.61 | 6.64 | 6.62 | 6.72 | 0.11 | 25.98 | 30.96 | 26.47 | 0.80 | 440.0 | 1.13 | 1.16 | 1.16 | 1.16 | 1.15 |
| 470.0 | 6.66 | 6.67 | 6.65 | 6.76 | 0.11 | 25.54 | 30.40 | 26.01 | 0.45 | 470.0 | 1.13 | 1.17 | 1.16 | 1.17 | 1.16 |
| 500.0 | 6.62 | 6.65 | 6.65 | 6.75 | 0.13 | 25.09 | 29.82 | 25.53 | 0.57 | 500.0 | 1.12 | 1.18 | 1.18 | 1.18 | 1.17 |
| 530.0 | 6.67 | 6.68 | 6.69 | 6.80 | 0.13 | 24.72 | 29.27 | 25.17 | 0.66 | 530.0 | 1.11 | 1.20 | 1.19 | 1.19 | 1.18 |
| 560.0 | 6.66 | 6.69 | 6.70 | 6.81 | 0.16 | 24.42 | 28.79 | 24.85 | 0.73 | 560.0 | 1.10 | 1.21 | 1.20 | 1.20 | 1.19 |
| 575.0 | 6.67 | 6.70 | 6.71 | 6.82 | 0.15 | 24.27 | 28.53 | 24.69 | 0.70 | 575.0 | 1.10 | 1.22 | 1.21 | 1.21 | 1.20 |
| 590.0 | 6.66 | 6.70 | 6.69 | 6.83 | 0.17 | 24.12 | 28.22 | 24.55 | 0.67 | 590.0 | 1.09 | 1.23 | 1.22 | 1.21 | 1.20 |
| 605.0 | 6.68 | 6.71 | 6.72 | 6.85 | 0.17 | 24.04 | 28.03 | 24.40 | 0.70 | 605.0 | 1.09 | 1.24 | 1.23 | 1.22 | 1.21 |
| 620.0 | 6.71 | 6.72 | 6.73 | 6.86 | 0.15 | 23.96 | 27.86 | 24.33 | 0.64 | 620.0 | 1.09 | 1.25 | 1.24 | 1.23 | 1.22 |
| 635.0 | 6.69 | 6.74 | 6.74 | 6.87 | 0.18 | 23.88 | 27.61 | 24.21 | 0.83 | 635.0 | 1.08 | 1.26 | 1.25 | 1.24 | 1.23 |
| 650.0 | 6.73 | 6.75 | 6.74 | 6.89 | 0.16 | 23.81 | 27.36 | 24.17 | 0.76 | 650.0 | 1.08 | 1.27 | 1.26 | 1.25 | 1.24 |

¹ Total Loss = Insertion Loss+ 6dB Splitter Loss