

4 Way-0° Power Splitter/Combiner

ZFSC-4-1+

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 | 1-4 | 3-4 | | | S | 1 | 2 | 3 | 4 |
| 1.0 | 6.60 | 6.60 | 6.60 | 6.60 | 0.00 | 34.76 | 31.08 | 34.88 | 0.18 | 1.0 | 1.18 | 1.58 | 1.58 | 1.57 | 1.57 |
| 1.8 | 6.57 | 6.57 | 6.57 | 6.57 | 0.01 | 35.78 | 34.46 | 35.97 | 0.07 | 1.8 | 1.14 | 1.45 | 1.45 | 1.45 | 1.45 |
| 2.6 | 6.53 | 6.53 | 6.53 | 6.53 | 0.01 | 35.90 | 36.14 | 35.85 | 0.06 | 2.6 | 1.13 | 1.40 | 1.40 | 1.39 | 1.39 |
| 3.4 | 6.50 | 6.50 | 6.50 | 6.50 | 0.01 | 35.90 | 37.11 | 35.67 | 0.12 | 3.4 | 1.12 | 1.36 | 1.36 | 1.36 | 1.36 |
| 4.2 | 6.49 | 6.50 | 6.49 | 6.50 | 0.01 | 35.84 | 37.72 | 35.53 | 0.11 | 4.2 | 1.12 | 1.34 | 1.34 | 1.34 | 1.34 |
| 5.0 | 6.48 | 6.49 | 6.48 | 6.48 | 0.01 | 35.80 | 38.16 | 35.39 | 0.06 | 5.0 | 1.12 | 1.33 | 1.33 | 1.33 | 1.33 |
| 6.0 | 6.47 | 6.47 | 6.48 | 6.47 | 0.01 | 35.80 | 38.53 | 35.28 | 0.02 | 6.0 | 1.12 | 1.32 | 1.32 | 1.32 | 1.32 |
| 7.0 | 6.47 | 6.47 | 6.48 | 6.47 | 0.01 | 35.78 | 38.83 | 35.21 | 0.03 | 7.0 | 1.12 | 1.31 | 1.31 | 1.31 | 1.31 |
| 8.0 | 6.47 | 6.47 | 6.47 | 6.46 | 0.01 | 35.80 | 39.09 | 35.17 | 0.04 | 8.0 | 1.12 | 1.31 | 1.31 | 1.31 | 1.31 |
| 9.0 | 6.46 | 6.46 | 6.46 | 6.46 | 0.01 | 35.83 | 39.24 | 35.17 | 0.09 | 9.0 | 1.12 | 1.31 | 1.31 | 1.30 | 1.30 |
| 10.0 | 6.45 | 6.46 | 6.45 | 6.46 | 0.01 | 35.86 | 39.42 | 35.16 | 0.09 | 10.0 | 1.12 | 1.31 | 1.31 | 1.30 | 1.30 |
| 48.0 | 6.49 | 6.50 | 6.50 | 6.50 | 0.01 | 35.55 | 40.08 | 34.73 | 0.07 | 48.0 | 1.13 | 1.31 | 1.31 | 1.30 | 1.30 |
| 86.0 | 6.49 | 6.49 | 6.49 | 6.49 | 0.00 | 34.09 | 39.21 | 33.26 | 0.15 | 86.0 | 1.13 | 1.31 | 1.31 | 1.31 | 1.31 |
| 124.0 | 6.51 | 6.51 | 6.51 | 6.51 | 0.00 | 32.51 | 37.88 | 31.70 | 0.21 | 124.0 | 1.13 | 1.31 | 1.31 | 1.31 | 1.31 |
| 162.0 | 6.53 | 6.52 | 6.53 | 6.53 | 0.01 | 31.03 | 36.51 | 30.22 | 0.35 | 162.0 | 1.13 | 1.31 | 1.31 | 1.30 | 1.30 |
| 200.0 | 6.58 | 6.58 | 6.58 | 6.58 | 0.00 | 29.70 | 35.16 | 28.92 | 0.42 | 200.0 | 1.14 | 1.30 | 1.30 | 1.29 | 1.30 |
| 238.0 | 6.59 | 6.59 | 6.58 | 6.59 | 0.01 | 28.86 | 34.19 | 28.05 | 0.47 | 238.0 | 1.14 | 1.29 | 1.30 | 1.29 | 1.29 |
| 276.0 | 6.59 | 6.59 | 6.59 | 6.59 | 0.01 | 27.81 | 32.99 | 26.99 | 0.58 | 276.0 | 1.14 | 1.28 | 1.29 | 1.28 | 1.28 |
| 314.0 | 6.53 | 6.53 | 6.52 | 6.53 | 0.01 | 27.20 | 32.16 | 26.36 | 0.61 | 314.0 | 1.15 | 1.28 | 1.28 | 1.27 | 1.27 |
| 352.0 | 6.68 | 6.67 | 6.66 | 6.66 | 0.03 | 26.58 | 31.25 | 25.69 | 0.64 | 352.0 | 1.15 | 1.27 | 1.27 | 1.26 | 1.26 |
| 390.0 | 6.60 | 6.59 | 6.58 | 6.59 | 0.01 | 26.12 | 30.51 | 25.22 | 0.70 | 390.0 | 1.15 | 1.26 | 1.27 | 1.25 | 1.25 |
| 412.0 | 6.64 | 6.63 | 6.61 | 6.61 | 0.02 | 25.99 | 30.15 | 25.04 | 0.78 | 412.0 | 1.15 | 1.26 | 1.26 | 1.24 | 1.25 |
| 434.0 | 6.75 | 6.73 | 6.71 | 6.72 | 0.04 | 25.81 | 29.79 | 24.86 | 0.82 | 434.0 | 1.15 | 1.25 | 1.26 | 1.24 | 1.24 |
| 456.0 | 6.69 | 6.68 | 6.67 | 6.67 | 0.03 | 25.56 | 29.32 | 24.58 | 0.81 | 456.0 | 1.15 | 1.25 | 1.26 | 1.24 | 1.24 |
| 478.0 | 6.62 | 6.60 | 6.59 | 6.59 | 0.02 | 25.49 | 29.00 | 24.50 | 0.88 | 478.0 | 1.15 | 1.25 | 1.25 | 1.23 | 1.24 |
| 500.0 | 6.76 | 6.75 | 6.73 | 6.74 | 0.03 | 25.45 | 28.75 | 24.45 | 0.91 | 500.0 | 1.15 | 1.24 | 1.25 | 1.23 | 1.23 |
| 530.0 | 6.75 | 6.73 | 6.71 | 6.72 | 0.05 | 25.39 | 28.32 | 24.33 | 1.00 | 530.0 | 1.15 | 1.24 | 1.25 | 1.22 | 1.23 |
| 560.0 | 6.74 | 6.72 | 6.69 | 6.70 | 0.05 | 25.33 | 27.87 | 24.25 | 1.08 | 560.0 | 1.15 | 1.24 | 1.25 | 1.22 | 1.23 |
| 590.0 | 6.81 | 6.79 | 6.76 | 6.76 | 0.05 | 25.39 | 27.57 | 24.31 | 1.05 | 590.0 | 1.14 | 1.24 | 1.25 | 1.21 | 1.22 |
| 620.0 | 6.80 | 6.77 | 6.73 | 6.74 | 0.07 | 25.45 | 27.23 | 24.36 | 1.12 | 620.0 | 1.14 | 1.24 | 1.25 | 1.21 | 1.22 |
| 650.0 | 6.85 | 6.83 | 6.78 | 6.80 | 0.07 | 25.58 | 26.96 | 24.49 | 1.26 | 650.0 | 1.13 | 1.25 | 1.26 | 1.21 | 1.23 |
| 680.0 | 6.87 | 6.85 | 6.79 | 6.81 | 0.08 | 25.63 | 26.64 | 24.60 | 1.28 | 680.0 | 1.12 | 1.25 | 1.26 | 1.21 | 1.23 |
| 710.0 | 6.88 | 6.85 | 6.79 | 6.80 | 0.10 | 25.78 | 26.39 | 24.77 | 1.35 | 710.0 | 1.10 | 1.26 | 1.27 | 1.22 | 1.23 |
| 740.0 | 7.01 | 6.98 | 6.90 | 6.92 | 0.11 | 25.99 | 26.28 | 25.07 | 1.30 | 740.0 | 1.09 | 1.27 | 1.28 | 1.22 | 1.24 |
| 770.0 | 6.96 | 6.93 | 6.85 | 6.87 | 0.11 | 25.83 | 25.87 | 25.10 | 1.48 | 770.0 | 1.07 | 1.28 | 1.28 | 1.23 | 1.25 |
| 800.0 | 6.99 | 6.96 | 6.86 | 6.88 | 0.13 | 25.91 | 25.75 | 25.35 | 1.56 | 800.0 | 1.05 | 1.29 | 1.29 | 1.24 | 1.26 |
| 840.0 | 7.16 | 7.11 | 7.00 | 7.02 | 0.16 | 25.80 | 25.61 | 25.61 | 1.56 | 840.0 | 1.02 | 1.30 | 1.31 | 1.25 | 1.28 |
| 880.0 | 7.08 | 7.03 | 6.91 | 6.92 | 0.17 | 25.23 | 25.19 | 25.46 | 1.74 | 880.0 | 1.04 | 1.32 | 1.33 | 1.26 | 1.29 |
| 920.0 | 7.33 | 7.29 | 7.12 | 7.15 | 0.21 | 24.84 | 25.22 | 25.52 | 1.66 | 920.0 | 1.08 | 1.34 | 1.34 | 1.28 | 1.31 |
| 960.0 | 7.30 | 7.25 | 7.09 | 7.10 | 0.21 | 23.87 | 24.82 | 24.96 | 1.84 | 960.0 | 1.14 | 1.35 | 1.36 | 1.29 | 1.33 |
| 1000.0 | 7.44 | 7.40 | 7.17 | 7.21 | 0.27 | 23.10 | 24.73 | 24.49 | 2.03 | 1000.0 | 1.21 | 1.37 | 1.38 | 1.31 | 1.35 |

¹ Total Loss = Insertion Loss+ 6dB Splitter Loss

