

2 Way-0° Power Splitter/Combiner

ZBSC-ED7451/1

Typical Performance Data

| FREQ. (MHz) | TOTAL LOSS ¹ (dB) | | AMP. UNBAL. (dB) | ISOLATION (dB) 1-2 | PHASE UNBAL. (deg.) | FREQ. (MHz) | VSWR (:1) | | |
|----------------|---------------------------------|------|------------------------|--------------------------|---------------------------|----------------|--------------|------|------|
| | S-1 | S-2 | | | | | S | 1 | 2 |
| 10.0 | 4.06 | 4.07 | 0.02 | 14.82 | 0.01 | 10.0 | 1.69 | 1.53 | 1.53 |
| 12.0 | 4.06 | 4.07 | 0.01 | 15.11 | 0.02 | 12.0 | 1.69 | 1.53 | 1.53 |
| 14.0 | 4.06 | 4.08 | 0.02 | 15.26 | 0.03 | 14.0 | 1.69 | 1.53 | 1.53 |
| 16.0 | 4.06 | 4.07 | 0.02 | 15.33 | 0.00 | 16.0 | 1.69 | 1.53 | 1.53 |
| 18.0 | 4.06 | 4.08 | 0.02 | 15.36 | 0.01 | 18.0 | 1.69 | 1.53 | 1.53 |
| 20.0 | 4.06 | 4.08 | 0.02 | 15.35 | 0.01 | 20.0 | 1.68 | 1.52 | 1.52 |
| 40.0 | 4.06 | 4.08 | 0.02 | 14.99 | 0.03 | 40.0 | 1.67 | 1.49 | 1.49 |
| 60.0 | 4.07 | 4.09 | 0.02 | 14.75 | 0.04 | 60.0 | 1.66 | 1.48 | 1.48 |
| 80.0 | 4.07 | 4.09 | 0.02 | 14.64 | 0.05 | 80.0 | 1.67 | 1.47 | 1.47 |
| 100.0 | 4.08 | 4.10 | 0.02 | 14.57 | 0.04 | 100.0 | 1.67 | 1.46 | 1.46 |
| 200.0 | 4.09 | 4.11 | 0.02 | 14.54 | 0.11 | 200.0 | 1.66 | 1.47 | 1.46 |
| 400.0 | 4.08 | 4.10 | 0.02 | 14.77 | 0.22 | 400.0 | 1.65 | 1.48 | 1.47 |
| 600.0 | 4.07 | 4.09 | 0.03 | 15.14 | 0.30 | 600.0 | 1.63 | 1.51 | 1.49 |
| 800.0 | 4.07 | 4.10 | 0.03 | 15.62 | 0.34 | 800.0 | 1.61 | 1.54 | 1.52 |
| 1000.0 | 4.07 | 4.10 | 0.03 | 16.24 | 0.48 | 1000.0 | 1.60 | 1.57 | 1.56 |
| 1200.0 | 4.10 | 4.13 | 0.03 | 17.00 | 0.55 | 1200.0 | 1.57 | 1.61 | 1.59 |
| 1400.0 | 4.12 | 4.16 | 0.04 | 17.85 | 0.61 | 1400.0 | 1.54 | 1.64 | 1.63 |
| 1600.0 | 4.16 | 4.20 | 0.04 | 18.74 | 0.66 | 1600.0 | 1.50 | 1.66 | 1.67 |
| 1800.0 | 4.18 | 4.25 | 0.07 | 19.60 | 0.66 | 1800.0 | 1.47 | 1.67 | 1.70 |
| 2000.0 | 4.21 | 4.30 | 0.09 | 20.27 | 0.71 | 2000.0 | 1.44 | 1.65 | 1.71 |
| 2200.0 | 4.26 | 4.38 | 0.12 | 20.63 | 0.77 | 2200.0 | 1.41 | 1.62 | 1.71 |
| 2400.0 | 4.29 | 4.45 | 0.17 | 20.63 | 0.92 | 2400.0 | 1.38 | 1.62 | 1.73 |
| 2600.0 | 4.32 | 4.53 | 0.21 | 20.26 | 1.15 | 2600.0 | 1.35 | 1.63 | 1.77 |
| 2800.0 | 4.37 | 4.62 | 0.25 | 19.58 | 1.43 | 2800.0 | 1.33 | 1.67 | 1.84 |
| 3000.0 | 4.47 | 4.76 | 0.28 | 18.76 | 1.80 | 3000.0 | 1.32 | 1.73 | 1.93 |
| 3100.0 | 4.53 | 4.84 | 0.31 | 18.34 | 1.99 | 3100.0 | 1.32 | 1.78 | 2.00 |
| 3200.0 | 4.61 | 4.92 | 0.31 | 17.90 | 2.27 | 3200.0 | 1.32 | 1.83 | 2.06 |

¹Total Loss = Insertion Loss + 3dB Splitter Loss

