

3 Way-0° Power Splitter/Combiner

ZB3PD-63+

Typical Performance Data

| FREQ. (MHz) | TOTAL LOSS ¹ (dB) | | | AMP UNBAL. (dB) | ISOLATION (dB) | | | PHASE UNBAL. (Deg) | FREQ. (MHz) | VSWR (:1) | | | |
|----------------|---------------------------------|------|------|-----------------------|-------------------|-------|-------|--------------------------|----------------|--------------|------|------|------|
| | S1 | S2 | S3 | | 1-2 | 1-3 | 2-3 | | | S | 1 | 2 | 3 |
| 150.0 | 5.77 | 6.26 | 5.79 | 0.50 | 11.14 | 9.91 | 11.16 | 1.34 | 150.0 | 2.57 | 1.74 | 1.37 | 1.74 |
| 170.0 | 5.68 | 6.20 | 5.70 | 0.52 | 11.66 | 10.55 | 11.68 | 1.24 | 170.0 | 2.46 | 1.65 | 1.31 | 1.66 |
| 190.0 | 5.59 | 6.13 | 5.61 | 0.55 | 12.19 | 11.15 | 12.20 | 1.12 | 190.0 | 2.35 | 1.58 | 1.27 | 1.59 |
| 210.0 | 5.50 | 6.06 | 5.52 | 0.57 | 12.73 | 11.71 | 12.75 | 0.96 | 210.0 | 2.23 | 1.52 | 1.23 | 1.53 |
| 250.0 | 5.32 | 5.92 | 5.34 | 0.59 | 13.96 | 12.75 | 13.97 | 0.65 | 250.0 | 1.99 | 1.42 | 1.20 | 1.43 |
| 350.0 | 4.96 | 5.59 | 4.99 | 0.63 | 18.53 | 15.00 | 18.54 | 0.04 | 350.0 | 1.44 | 1.24 | 1.21 | 1.24 |
| 500.0 | 4.90 | 5.53 | 4.92 | 0.63 | 36.94 | 17.90 | 37.05 | 0.71 | 500.0 | 1.23 | 1.08 | 1.21 | 1.08 |
| 750.0 | 5.11 | 5.75 | 5.12 | 0.64 | 19.91 | 20.57 | 19.90 | 1.48 | 750.0 | 1.53 | 1.03 | 1.09 | 1.02 |
| 1000.0 | 5.01 | 5.69 | 5.04 | 0.67 | 30.82 | 23.07 | 30.96 | 2.37 | 1000.0 | 1.24 | 1.19 | 1.26 | 1.21 |
| 1250.0 | 5.30 | 5.96 | 5.32 | 0.66 | 21.77 | 24.90 | 21.64 | 3.38 | 1250.0 | 1.66 | 1.25 | 1.46 | 1.25 |
| 1500.0 | 5.08 | 5.71 | 5.10 | 0.63 | 21.28 | 26.16 | 21.10 | 4.33 | 1500.0 | 1.18 | 1.18 | 1.38 | 1.20 |
| 1750.0 | 5.34 | 5.92 | 5.37 | 0.58 | 32.70 | 31.45 | 33.65 | 5.08 | 1750.0 | 1.61 | 1.47 | 1.80 | 1.49 |
| 2000.0 | 5.15 | 5.66 | 5.18 | 0.51 | 20.88 | 29.36 | 21.26 | 5.79 | 2000.0 | 1.06 | 1.23 | 1.63 | 1.24 |
| 2250.0 | 5.38 | 5.84 | 5.41 | 0.46 | 25.37 | 32.74 | 26.39 | 6.22 | 2250.0 | 1.48 | 1.37 | 1.72 | 1.39 |
| 2500.0 | 5.26 | 5.67 | 5.29 | 0.41 | 24.60 | 31.29 | 26.78 | 6.97 | 2500.0 | 1.07 | 1.13 | 1.55 | 1.13 |
| 2750.0 | 5.42 | 5.73 | 5.43 | 0.32 | 21.90 | 27.92 | 24.81 | 7.40 | 2750.0 | 1.41 | 1.16 | 1.45 | 1.17 |
| 3000.0 | 5.38 | 5.57 | 5.32 | 0.24 | 28.81 | 28.18 | 30.62 | 8.10 | 3000.0 | 1.05 | 1.08 | 1.38 | 1.06 |
| 3250.0 | 5.51 | 5.65 | 5.53 | 0.13 | 25.75 | 25.72 | 20.95 | 8.87 | 3250.0 | 1.33 | 1.06 | 1.12 | 1.13 |
| 3500.0 | 5.41 | 5.49 | 5.56 | 0.15 | 32.44 | 25.70 | 22.15 | 9.08 | 3500.0 | 1.11 | 1.10 | 1.17 | 1.12 |
| 3750.0 | 5.49 | 5.47 | 5.69 | 0.22 | 27.19 | 26.91 | 24.30 | 9.04 | 3750.0 | 1.16 | 1.14 | 1.18 | 1.10 |
| 4000.0 | 5.63 | 5.40 | 5.77 | 0.37 | 22.33 | 26.28 | 21.96 | 8.59 | 4000.0 | 1.24 | 1.21 | 1.28 | 1.26 |
| 4250.0 | 5.69 | 5.39 | 5.85 | 0.46 | 27.63 | 29.89 | 25.81 | 7.51 | 4250.0 | 1.12 | 1.24 | 1.37 | 1.25 |
| 4500.0 | 5.73 | 5.48 | 5.91 | 0.43 | 27.47 | 32.57 | 25.31 | 6.68 | 4500.0 | 1.21 | 1.18 | 1.57 | 1.20 |
| 4750.0 | 5.75 | 5.56 | 5.95 | 0.39 | 26.56 | 26.66 | 24.87 | 6.39 | 4750.0 | 1.21 | 1.27 | 1.49 | 1.29 |
| 5000.0 | 5.88 | 5.59 | 6.10 | 0.51 | 30.17 | 27.61 | 29.67 | 6.45 | 5000.0 | 1.20 | 1.22 | 1.58 | 1.25 |
| 5250.0 | 5.99 | 5.67 | 6.27 | 0.60 | 21.77 | 33.29 | 20.60 | 4.53 | 5250.0 | 1.34 | 1.55 | 1.42 | 1.57 |
| 5500.0 | 5.97 | 5.76 | 6.17 | 0.41 | 25.74 | 30.83 | 23.91 | 2.67 | 5500.0 | 1.10 | 1.48 | 1.57 | 1.46 |
| 5600.0 | 5.94 | 5.89 | 6.19 | 0.30 | 20.99 | 26.66 | 20.57 | 2.60 | 5600.0 | 1.18 | 1.32 | 1.56 | 1.30 |
| 5800.0 | 5.98 | 6.27 | 6.23 | 0.29 | 15.58 | 23.27 | 15.18 | 3.03 | 5800.0 | 1.63 | 1.27 | 1.36 | 1.27 |
| 5900.0 | 5.86 | 6.33 | 6.14 | 0.46 | 15.17 | 23.98 | 14.47 | 4.56 | 5900.0 | 1.61 | 1.30 | 1.45 | 1.30 |
| 5920.0 | 5.82 | 6.28 | 6.08 | 0.46 | 15.34 | 24.88 | 14.67 | 4.87 | 5920.0 | 1.59 | 1.31 | 1.45 | 1.32 |
| 5940.0 | 5.82 | 6.24 | 6.06 | 0.42 | 15.45 | 25.38 | 14.78 | 5.52 | 5940.0 | 1.55 | 1.33 | 1.45 | 1.34 |
| 5960.0 | 5.82 | 6.18 | 6.02 | 0.36 | 15.63 | 26.16 | 14.88 | 5.72 | 5960.0 | 1.51 | 1.36 | 1.46 | 1.38 |
| 5980.0 | 5.79 | 6.16 | 5.97 | 0.37 | 15.93 | 26.90 | 15.05 | 6.20 | 5980.0 | 1.48 | 1.41 | 1.49 | 1.43 |
| 6000.0 | 5.81 | 6.15 | 5.97 | 0.35 | 16.27 | 27.88 | 15.25 | 6.79 | 6000.0 | 1.45 | 1.46 | 1.55 | 1.48 |

¹Total Loss = Insertion Loss + 4.8dB Splitter Loss

