

8 Way-0° Power Splitter/Combiner

ZC8PD-K1844+

Typical Performance Data

Data tested at 25DegC

| 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 | S-6 | S-8 | | 1-2 | 2-4 | 5-7 | 7-8 | | | S | 1 | 8 |
| 15000 | 10.14 | 10.15 | 10.14 | 10.09 | 10.12 | 10.14 | 0.06 | 26.06 | 27.75 | 29.04 | 26.10 | 2.07 | 15000 | 1.22 | 1.22 | 1.22 |
| 15500 | 10.15 | 10.15 | 10.12 | 10.12 | 10.13 | 10.17 | 0.05 | 22.80 | 28.93 | 29.92 | 22.29 | 2.14 | 15500 | 1.12 | 1.15 | 1.15 |
| 16000 | 10.14 | 10.15 | 10.19 | 10.14 | 10.14 | 10.16 | 0.07 | 21.90 | 30.48 | 30.87 | 21.15 | 2.62 | 16000 | 1.09 | 1.12 | 1.12 |
| 16500 | 10.22 | 10.23 | 10.31 | 10.25 | 10.20 | 10.21 | 0.13 | 24.00 | 35.44 | 33.23 | 23.35 | 2.03 | 16500 | 1.30 | 1.24 | 1.25 |
| 17000 | 10.23 | 10.24 | 10.24 | 10.23 | 10.25 | 10.28 | 0.05 | 37.36 | 29.71 | 27.53 | 33.22 | 2.28 | 17000 | 1.10 | 1.16 | 1.17 |
| 17500 | 10.32 | 10.34 | 10.32 | 10.29 | 10.28 | 10.31 | 0.07 | 37.35 | 26.47 | 24.92 | 34.55 | 2.10 | 17500 | 1.26 | 1.11 | 1.10 |
| 18000 | 10.31 | 10.33 | 10.35 | 10.30 | 10.29 | 10.31 | 0.09 | 26.93 | 29.60 | 27.82 | 24.59 | 2.59 | 18000 | 1.27 | 1.03 | 1.05 |
| 18500 | 10.38 | 10.40 | 10.40 | 10.36 | 10.36 | 10.38 | 0.05 | 26.30 | 47.17 | 43.85 | 25.69 | 2.36 | 18500 | 1.30 | 1.13 | 1.15 |
| 19000 | 10.34 | 10.37 | 10.33 | 10.31 | 10.32 | 10.35 | 0.06 | 40.48 | 32.00 | 30.56 | 37.72 | 2.61 | 19000 | 1.11 | 1.09 | 1.09 |
| 19500 | 10.38 | 10.41 | 10.38 | 10.34 | 10.35 | 10.36 | 0.09 | 39.25 | 31.61 | 28.48 | 39.72 | 2.76 | 19500 | 1.15 | 1.07 | 1.05 |
| 20000 | 10.44 | 10.47 | 10.47 | 10.43 | 10.43 | 10.44 | 0.07 | 27.30 | 39.34 | 31.59 | 27.13 | 2.99 | 20000 | 1.27 | 1.13 | 1.12 |
| 20500 | 10.47 | 10.51 | 10.50 | 10.46 | 10.44 | 10.45 | 0.09 | 22.95 | 37.95 | 42.08 | 22.87 | 2.98 | 20500 | 1.20 | 1.13 | 1.10 |
| 21000 | 10.45 | 10.48 | 10.47 | 10.44 | 10.42 | 10.44 | 0.07 | 24.84 | 30.46 | 36.87 | 26.23 | 3.04 | 21000 | 1.06 | 1.07 | 1.10 |
| 21500 | 10.50 | 10.52 | 10.52 | 10.46 | 10.48 | 10.49 | 0.07 | 24.15 | 30.08 | 33.10 | 24.54 | 3.29 | 21500 | 1.15 | 1.07 | 1.12 |
| 22000 | 10.49 | 10.50 | 10.52 | 10.49 | 10.49 | 10.49 | 0.06 | 23.95 | 37.63 | 37.35 | 24.58 | 3.33 | 22000 | 1.03 | 1.15 | 1.16 |
| 22500 | 10.53 | 10.54 | 10.56 | 10.53 | 10.54 | 10.54 | 0.06 | 35.55 | 35.71 | 39.67 | 37.93 | 3.47 | 22500 | 1.05 | 1.29 | 1.28 |
| 23000 | 10.61 | 10.60 | 10.64 | 10.60 | 10.58 | 10.57 | 0.10 | 34.66 | 30.69 | 34.35 | 32.71 | 3.17 | 23000 | 1.23 | 1.25 | 1.25 |
| 23500 | 10.59 | 10.59 | 10.60 | 10.55 | 10.56 | 10.57 | 0.08 | 29.01 | 29.82 | 32.76 | 29.87 | 3.58 | 23500 | 1.07 | 1.19 | 1.22 |
| 24000 | 10.73 | 10.72 | 10.71 | 10.70 | 10.70 | 10.71 | 0.06 | 26.59 | 29.14 | 31.59 | 26.91 | 3.56 | 24000 | 1.33 | 1.12 | 1.14 |
| 24500 | 10.64 | 10.63 | 10.65 | 10.63 | 10.65 | 10.65 | 0.06 | 23.36 | 33.45 | 37.14 | 23.93 | 3.76 | 24500 | 1.14 | 1.19 | 1.20 |
| 25000 | 10.78 | 10.77 | 10.81 | 10.75 | 10.75 | 10.75 | 0.11 | 26.94 | 34.67 | 34.04 | 29.49 | 3.55 | 25000 | 1.37 | 1.26 | 1.26 |
| 25500 | 10.73 | 10.72 | 10.74 | 10.72 | 10.69 | 10.71 | 0.07 | 34.27 | 27.37 | 27.29 | 41.25 | 3.88 | 25500 | 1.18 | 1.21 | 1.21 |
| 26000 | 10.89 | 10.88 | 10.89 | 10.86 | 10.86 | 10.88 | 0.06 | 27.75 | 28.49 | 28.22 | 29.06 | 3.71 | 26000 | 1.43 | 1.18 | 1.19 |
| 26500 | 10.74 | 10.73 | 10.79 | 10.73 | 10.72 | 10.74 | 0.10 | 25.70 | 43.45 | 40.09 | 24.51 | 3.96 | 26500 | 1.16 | 1.02 | 1.05 |
| 27000 | 10.76 | 10.75 | 10.81 | 10.74 | 10.74 | 10.77 | 0.09 | 30.91 | 32.12 | 33.84 | 30.70 | 3.85 | 27000 | 1.12 | 1.09 | 1.13 |
| 27500 | 10.83 | 10.82 | 10.85 | 10.82 | 10.76 | 10.80 | 0.10 | 27.79 | 30.06 | 30.81 | 28.67 | 4.01 | 27500 | 1.16 | 1.07 | 1.09 |
| 28000 | 10.86 | 10.85 | 10.88 | 10.83 | 10.82 | 10.84 | 0.09 | 29.37 | 34.42 | 34.41 | 32.92 | 3.93 | 28000 | 1.16 | 1.12 | 1.12 |
| 28500 | 10.86 | 10.85 | 10.91 | 10.86 | 10.81 | 10.82 | 0.14 | 33.75 | 39.89 | 41.56 | 40.12 | 4.18 | 28500 | 1.10 | 1.15 | 1.10 |
| 29000 | 10.89 | 10.86 | 10.94 | 10.87 | 10.87 | 10.88 | 0.10 | 28.95 | 37.22 | 46.78 | 30.76 | 4.15 | 29000 | 1.17 | 1.14 | 1.09 |
| 29500 | 10.94 | 10.92 | 10.94 | 10.92 | 10.88 | 10.89 | 0.10 | 27.06 | 33.05 | 38.32 | 29.62 | 4.07 | 29500 | 1.13 | 1.14 | 1.13 |
| 30000 | 10.95 | 10.94 | 10.95 | 10.89 | 10.91 | 10.93 | 0.07 | 24.04 | 35.51 | 41.21 | 25.35 | 4.33 | 30000 | 1.06 | 1.07 | 1.11 |
| 31000 | 10.99 | 10.99 | 11.03 | 10.99 | 10.98 | 10.99 | 0.08 | 37.74 | 32.89 | 35.27 | 29.97 | 4.46 | 31000 | 1.14 | 1.22 | 1.21 |
| 32000 | 11.07 | 11.06 | 11.11 | 11.05 | 11.06 | 11.08 | 0.09 | 29.90 | 34.21 | 38.92 | 30.18 | 4.66 | 32000 | 1.17 | 1.18 | 1.25 |
| 33000 | 11.12 | 11.11 | 11.15 | 11.14 | 11.09 | 11.12 | 0.08 | 27.36 | 35.90 | 35.35 | 26.80 | 4.69 | 33000 | 1.17 | 1.23 | 1.29 |
| 34000 | 11.20 | 11.19 | 11.25 | 11.19 | 11.19 | 11.23 | 0.08 | 31.94 | 30.38 | 32.15 | 31.02 | 5.00 | 34000 | 1.23 | 1.25 | 1.34 |
| 35000 | 11.32 | 11.29 | 11.34 | 11.31 | 11.26 | 11.28 | 0.10 | 29.51 | 31.09 | 31.16 | 31.84 | 5.00 | 35000 | 1.27 | 1.21 | 1.25 |
| 36000 | 11.35 | 11.29 | 11.34 | 11.29 | 11.25 | 11.28 | 0.13 | 29.66 | 34.75 | 39.29 | 29.42 | 5.32 | 36000 | 1.11 | 1.20 | 1.19 |
| 37000 | 11.37 | 11.33 | 11.41 | 11.37 | 11.34 | 11.34 | 0.14 | 42.37 | 32.45 | 34.58 | 36.77 | 5.32 | 37000 | 1.16 | 1.10 | 1.06 |
| 38000 | 11.40 | 11.37 | 11.44 | 11.40 | 11.35 | 11.36 | 0.14 | 28.18 | 33.15 | 36.55 | 27.41 | 5.39 | 38000 | 1.03 | 1.06 | 1.06 |
| 39000 | 11.47 | 11.48 | 11.51 | 11.46 | 11.47 | 11.47 | 0.09 | 31.99 | 42.62 | 37.78 | 29.37 | 5.84 | 39000 | 1.11 | 1.03 | 1.07 |
| 40000 | 11.50 | 11.49 | 11.54 | 11.50 | 11.49 | 11.50 | 0.09 | 31.95 | 39.12 | 40.30 | 33.02 | 5.98 | 40000 | 1.04 | 1.09 | 1.18 |
| 43500 | 11.78 | 11.72 | 11.78 | 11.70 | 11.71 | 11.71 | 0.14 | 31.42 | 31.76 | 31.08 | 29.76 | 6.25 | 43500 | 1.15 | 1.24 | 1.18 |

¹Total Loss = Insertion Loss + 9dB Splitter Loss



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IF/RF MICROWAVE COMPONENTS

REV. OR
ZC8PD-K1844+
6/10/2019
Page 1 of 5

8 Way-0° Power Splitter/Combiner

ZC8PD-K1844+

Typical Performance Data

Data tested at -55DegC

| 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 | S-6 | S-8 | | 1-2 | 2-4 | 5-7 | 7-8 | | | S | 1 | 8 |
| 15000 | 10.11 | 10.10 | 10.36 | 10.05 | 10.07 | 10.12 | 0.31 | 25.73 | 28.20 | 29.65 | 25.73 | 2.91 | 15000 | 1.24 | 1.22 | 1.23 |
| 15500 | 10.11 | 10.10 | 10.30 | 10.04 | 10.09 | 10.14 | 0.26 | 22.46 | 29.31 | 30.10 | 22.01 | 2.43 | 15500 | 1.15 | 1.14 | 1.14 |
| 16000 | 10.07 | 10.07 | 10.37 | 10.08 | 10.09 | 10.12 | 0.31 | 22.01 | 30.24 | 30.60 | 21.22 | 2.89 | 16000 | 1.09 | 1.14 | 1.14 |
| 16500 | 10.17 | 10.17 | 10.47 | 10.21 | 10.16 | 10.19 | 0.33 | 24.41 | 36.19 | 33.39 | 23.66 | 2.98 | 16500 | 1.32 | 1.25 | 1.26 |
| 17000 | 10.17 | 10.17 | 10.34 | 10.19 | 10.18 | 10.22 | 0.17 | 42.85 | 28.72 | 26.74 | 35.99 | 3.18 | 17000 | 1.07 | 1.15 | 1.16 |
| 17500 | 10.27 | 10.28 | 10.42 | 10.22 | 10.25 | 10.29 | 0.19 | 35.90 | 26.27 | 24.75 | 33.60 | 2.63 | 17500 | 1.29 | 1.11 | 1.09 |
| 18000 | 10.24 | 10.25 | 10.42 | 10.24 | 10.21 | 10.26 | 0.21 | 26.55 | 30.63 | 28.77 | 24.46 | 3.12 | 18000 | 1.26 | 1.03 | 1.06 |
| 18500 | 10.31 | 10.32 | 10.46 | 10.29 | 10.29 | 10.34 | 0.18 | 27.25 | 45.52 | 41.46 | 26.48 | 3.00 | 18500 | 1.28 | 1.13 | 1.14 |
| 19000 | 10.28 | 10.29 | 10.37 | 10.25 | 10.27 | 10.31 | 0.13 | 42.47 | 32.05 | 29.98 | 37.17 | 2.88 | 19000 | 1.11 | 1.08 | 1.08 |
| 19500 | 10.32 | 10.34 | 10.42 | 10.28 | 10.28 | 10.33 | 0.14 | 38.47 | 32.47 | 28.77 | 37.36 | 2.88 | 19500 | 1.17 | 1.08 | 1.06 |
| 20000 | 10.37 | 10.40 | 10.48 | 10.39 | 10.37 | 10.41 | 0.11 | 26.62 | 39.80 | 31.52 | 26.33 | 2.92 | 20000 | 1.27 | 1.13 | 1.13 |
| 20500 | 10.40 | 10.42 | 10.52 | 10.42 | 10.38 | 10.41 | 0.14 | 22.76 | 36.70 | 41.28 | 22.70 | 2.84 | 20500 | 1.18 | 1.10 | 1.07 |
| 21000 | 10.38 | 10.40 | 10.50 | 10.39 | 10.39 | 10.41 | 0.13 | 25.78 | 29.75 | 35.34 | 27.35 | 2.55 | 21000 | 1.07 | 1.06 | 1.10 |
| 21500 | 10.46 | 10.47 | 10.55 | 10.42 | 10.43 | 10.46 | 0.14 | 23.64 | 30.45 | 32.41 | 23.84 | 2.71 | 21500 | 1.17 | 1.05 | 1.10 |
| 22000 | 10.45 | 10.45 | 10.53 | 10.41 | 10.43 | 10.46 | 0.12 | 24.79 | 43.10 | 37.72 | 25.74 | 2.60 | 22000 | 1.04 | 1.17 | 1.17 |
| 22500 | 10.48 | 10.48 | 10.58 | 10.46 | 10.45 | 10.48 | 0.15 | 41.91 | 33.47 | 38.27 | 37.20 | 2.73 | 22500 | 1.07 | 1.28 | 1.26 |
| 23000 | 10.57 | 10.56 | 10.67 | 10.50 | 10.52 | 10.54 | 0.18 | 34.09 | 31.15 | 35.58 | 32.93 | 2.64 | 23000 | 1.23 | 1.23 | 1.24 |
| 23500 | 10.56 | 10.55 | 10.59 | 10.47 | 10.48 | 10.51 | 0.15 | 28.05 | 29.94 | 32.72 | 28.81 | 3.05 | 23500 | 1.12 | 1.17 | 1.21 |
| 24000 | 10.66 | 10.64 | 10.70 | 10.58 | 10.61 | 10.65 | 0.12 | 26.29 | 28.89 | 31.28 | 26.45 | 2.64 | 24000 | 1.30 | 1.09 | 1.12 |
| 24500 | 10.58 | 10.58 | 10.69 | 10.56 | 10.57 | 10.61 | 0.15 | 23.00 | 35.52 | 40.72 | 23.55 | 2.86 | 24500 | 1.21 | 1.20 | 1.21 |
| 25000 | 10.68 | 10.68 | 10.78 | 10.61 | 10.60 | 10.65 | 0.20 | 28.51 | 32.26 | 31.79 | 31.54 | 3.09 | 25000 | 1.32 | 1.23 | 1.23 |
| 25500 | 10.69 | 10.69 | 10.75 | 10.64 | 10.63 | 10.69 | 0.13 | 32.02 | 26.98 | 26.95 | 36.94 | 3.17 | 25500 | 1.27 | 1.20 | 1.20 |
| 26000 | 10.77 | 10.78 | 10.84 | 10.72 | 10.73 | 10.77 | 0.13 | 27.15 | 29.78 | 29.34 | 27.95 | 2.88 | 26000 | 1.39 | 1.15 | 1.15 |
| 26500 | 10.65 | 10.64 | 10.74 | 10.62 | 10.61 | 10.67 | 0.14 | 26.45 | 48.47 | 46.74 | 25.19 | 3.04 | 26500 | 1.16 | 1.02 | 1.05 |
| 27000 | 10.67 | 10.65 | 10.74 | 10.62 | 10.61 | 10.68 | 0.13 | 31.49 | 31.76 | 33.07 | 31.73 | 3.10 | 27000 | 1.08 | 1.08 | 1.13 |
| 27500 | 10.72 | 10.72 | 10.79 | 10.71 | 10.66 | 10.73 | 0.13 | 28.15 | 30.63 | 31.25 | 29.48 | 3.15 | 27500 | 1.17 | 1.08 | 1.10 |
| 28000 | 10.76 | 10.74 | 10.83 | 10.72 | 10.70 | 10.75 | 0.14 | 30.29 | 34.51 | 34.19 | 34.82 | 3.05 | 28000 | 1.18 | 1.14 | 1.13 |
| 28500 | 10.75 | 10.73 | 10.84 | 10.72 | 10.70 | 10.74 | 0.14 | 32.04 | 43.27 | 43.55 | 36.13 | 3.06 | 28500 | 1.10 | 1.15 | 1.09 |
| 29000 | 10.79 | 10.74 | 10.86 | 10.75 | 10.74 | 10.78 | 0.12 | 29.10 | 35.09 | 42.10 | 30.93 | 3.11 | 29000 | 1.15 | 1.13 | 1.09 |
| 29500 | 10.82 | 10.78 | 10.90 | 10.79 | 10.75 | 10.79 | 0.16 | 26.18 | 33.25 | 38.10 | 28.71 | 3.19 | 29500 | 1.11 | 1.12 | 1.12 |
| 30000 | 10.84 | 10.80 | 10.89 | 10.79 | 10.77 | 10.82 | 0.14 | 24.09 | 38.96 | 47.46 | 25.67 | 3.08 | 30000 | 1.07 | 1.06 | 1.11 |
| 31000 | 10.89 | 10.84 | 10.93 | 10.85 | 10.84 | 10.89 | 0.10 | 39.10 | 33.89 | 37.32 | 30.59 | 3.15 | 31000 | 1.13 | 1.21 | 1.21 |
| 32000 | 10.95 | 10.91 | 10.98 | 10.91 | 10.91 | 10.96 | 0.09 | 29.88 | 33.63 | 38.44 | 30.07 | 3.32 | 32000 | 1.19 | 1.15 | 1.22 |
| 33000 | 11.01 | 10.98 | 11.08 | 11.00 | 10.98 | 11.05 | 0.12 | 29.70 | 33.02 | 32.75 | 28.46 | 3.41 | 33000 | 1.19 | 1.22 | 1.27 |
| 34000 | 11.11 | 11.07 | 11.17 | 11.07 | 11.07 | 11.14 | 0.12 | 36.48 | 32.63 | 34.74 | 34.03 | 3.62 | 34000 | 1.27 | 1.23 | 1.33 |
| 35000 | 11.19 | 11.15 | 11.26 | 11.14 | 11.13 | 11.18 | 0.15 | 31.06 | 31.46 | 31.92 | 33.61 | 3.82 | 35000 | 1.29 | 1.21 | 1.26 |
| 36000 | 11.19 | 11.14 | 11.23 | 11.11 | 11.12 | 11.16 | 0.12 | 31.00 | 34.23 | 38.27 | 30.40 | 4.01 | 36000 | 1.11 | 1.22 | 1.20 |
| 37000 | 11.24 | 11.19 | 11.31 | 11.19 | 11.16 | 11.20 | 0.15 | 37.27 | 31.76 | 33.67 | 34.73 | 4.20 | 37000 | 1.16 | 1.11 | 1.05 |
| 38000 | 11.25 | 11.21 | 11.31 | 11.22 | 11.18 | 11.23 | 0.14 | 26.99 | 35.35 | 39.74 | 26.67 | 4.20 | 38000 | 1.03 | 1.07 | 1.05 |
| 39000 | 11.29 | 11.27 | 11.36 | 11.26 | 11.26 | 11.30 | 0.13 | 33.77 | 43.39 | 40.11 | 29.87 | 4.26 | 39000 | 1.09 | 1.02 | 1.09 |
| 40000 | 11.33 | 11.32 | 11.42 | 11.31 | 11.30 | 11.33 | 0.15 | 31.19 | 37.37 | 38.60 | 31.91 | 4.41 | 40000 | 1.05 | 1.09 | 1.17 |
| 43500 | 11.56 | 11.47 | 11.59 | 11.47 | 11.44 | 11.48 | 0.16 | 30.50 | 34.05 | 33.17 | 28.08 | 4.76 | 43500 | 1.09 | 1.23 | 1.17 |

¹Total Loss = Insertion Loss + 9dB Splitter Loss



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ZC8PD-K1844+

6/10/2019

Page 2 of 5

| | | |
|-------|-------|-------|
| 19.49 | 19.99 | 19.90 |
| 23.02 | 23.45 | 23.59 |



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REV. OR
ZC8PD-K1844+
6/10/2019
Page 3 of 5

8 Way-0° Power Splitter/Combiner

ZC8PD-K1844+

Typical Performance Data

Data tested at 100DegC

| 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 | S-6 | S-8 | | 1-2 | 2-4 | 5-7 | 7-8 | | | S | 1 | 8 |
| 15000 | 10.21 | 10.22 | 10.20 | 10.13 | 10.15 | 10.17 | 0.09 | 24.04 | 27.71 | 28.56 | 24.89 | 3.35 | 15000 | 1.21 | 1.27 | 1.27 |
| 15500 | 10.20 | 10.21 | 10.17 | 10.16 | 10.19 | 10.22 | 0.06 | 21.66 | 27.62 | 28.62 | 21.58 | 3.41 | 15500 | 1.11 | 1.20 | 1.20 |
| 16000 | 10.21 | 10.22 | 10.28 | 10.19 | 10.19 | 10.22 | 0.10 | 20.19 | 29.47 | 30.50 | 19.48 | 4.03 | 16000 | 1.08 | 1.10 | 1.09 |
| 16500 | 10.27 | 10.28 | 10.36 | 10.32 | 10.23 | 10.25 | 0.15 | 22.03 | 34.74 | 31.78 | 21.27 | 3.46 | 16500 | 1.28 | 1.24 | 1.25 |
| 17000 | 10.29 | 10.30 | 10.30 | 10.30 | 10.30 | 10.33 | 0.04 | 33.51 | 28.68 | 26.05 | 29.87 | 3.97 | 17000 | 1.11 | 1.16 | 1.17 |
| 17500 | 10.37 | 10.38 | 10.37 | 10.33 | 10.34 | 10.37 | 0.06 | 33.13 | 25.87 | 24.24 | 30.87 | 3.40 | 17500 | 1.22 | 1.08 | 1.09 |
| 18000 | 10.38 | 10.40 | 10.41 | 10.36 | 10.33 | 10.35 | 0.10 | 29.86 | 28.73 | 27.47 | 25.59 | 3.97 | 18000 | 1.28 | 1.06 | 1.10 |
| 18500 | 10.44 | 10.45 | 10.45 | 10.41 | 10.41 | 10.44 | 0.07 | 28.80 | 45.15 | 37.85 | 26.91 | 4.13 | 18500 | 1.28 | 1.14 | 1.18 |
| 19000 | 10.41 | 10.42 | 10.40 | 10.37 | 10.38 | 10.41 | 0.06 | 33.86 | 34.68 | 29.86 | 30.46 | 4.15 | 19000 | 1.11 | 1.08 | 1.09 |
| 19500 | 10.44 | 10.45 | 10.44 | 10.41 | 10.39 | 10.40 | 0.10 | 38.91 | 33.21 | 28.00 | 30.81 | 4.29 | 19500 | 1.14 | 1.06 | 1.03 |
| 20000 | 10.50 | 10.52 | 10.51 | 10.49 | 10.48 | 10.49 | 0.07 | 26.48 | 38.29 | 30.33 | 24.92 | 4.52 | 20000 | 1.25 | 1.08 | 1.07 |
| 20500 | 10.55 | 10.57 | 10.57 | 10.53 | 10.50 | 10.51 | 0.10 | 22.78 | 37.80 | 37.21 | 22.48 | 4.61 | 20500 | 1.21 | 1.09 | 1.06 |
| 21000 | 10.49 | 10.52 | 10.54 | 10.49 | 10.48 | 10.49 | 0.08 | 24.41 | 31.93 | 44.87 | 26.13 | 4.86 | 21000 | 1.04 | 1.06 | 1.10 |
| 21500 | 10.56 | 10.57 | 10.59 | 10.54 | 10.54 | 10.55 | 0.08 | 23.54 | 31.63 | 36.35 | 24.07 | 4.99 | 21500 | 1.16 | 1.09 | 1.15 |
| 22000 | 10.55 | 10.56 | 10.56 | 10.55 | 10.54 | 10.55 | 0.05 | 23.35 | 39.00 | 37.52 | 23.74 | 5.02 | 22000 | 1.03 | 1.14 | 1.16 |
| 22500 | 10.60 | 10.60 | 10.61 | 10.59 | 10.59 | 10.60 | 0.06 | 33.60 | 35.79 | 37.08 | 31.90 | 5.24 | 22500 | 1.05 | 1.31 | 1.29 |
| 23000 | 10.68 | 10.66 | 10.69 | 10.66 | 10.65 | 10.65 | 0.09 | 34.87 | 30.70 | 33.75 | 31.66 | 4.93 | 23000 | 1.25 | 1.30 | 1.28 |
| 23500 | 10.67 | 10.66 | 10.65 | 10.61 | 10.60 | 10.61 | 0.11 | 28.93 | 29.03 | 31.80 | 30.58 | 5.49 | 23500 | 1.05 | 1.22 | 1.25 |
| 24000 | 10.80 | 10.78 | 10.78 | 10.76 | 10.76 | 10.78 | 0.08 | 26.43 | 28.55 | 31.44 | 26.76 | 5.56 | 24000 | 1.34 | 1.13 | 1.15 |
| 24500 | 10.69 | 10.68 | 10.72 | 10.69 | 10.70 | 10.71 | 0.06 | 22.76 | 33.00 | 37.82 | 23.11 | 5.60 | 24500 | 1.11 | 1.15 | 1.17 |
| 25000 | 10.86 | 10.85 | 10.87 | 10.84 | 10.80 | 10.80 | 0.12 | 25.30 | 34.52 | 32.26 | 27.13 | 5.50 | 25000 | 1.37 | 1.24 | 1.25 |
| 25500 | 10.79 | 10.78 | 10.78 | 10.77 | 10.74 | 10.77 | 0.08 | 32.23 | 27.53 | 26.76 | 35.84 | 6.06 | 25500 | 1.14 | 1.17 | 1.20 |
| 26000 | 10.95 | 10.94 | 10.95 | 10.93 | 10.91 | 10.94 | 0.07 | 26.92 | 28.36 | 27.84 | 27.31 | 5.83 | 26000 | 1.40 | 1.15 | 1.16 |
| 26500 | 10.83 | 10.81 | 10.85 | 10.81 | 10.78 | 10.81 | 0.09 | 26.71 | 39.54 | 37.83 | 24.81 | 6.09 | 26500 | 1.17 | 1.02 | 1.05 |
| 27000 | 10.84 | 10.83 | 10.86 | 10.82 | 10.79 | 10.83 | 0.08 | 33.30 | 34.40 | 33.89 | 32.13 | 6.15 | 27000 | 1.12 | 1.10 | 1.15 |
| 27500 | 10.88 | 10.86 | 10.90 | 10.87 | 10.83 | 10.88 | 0.07 | 29.79 | 31.35 | 30.50 | 31.20 | 6.09 | 27500 | 1.12 | 1.07 | 1.10 |
| 28000 | 10.93 | 10.92 | 10.95 | 10.91 | 10.87 | 10.88 | 0.12 | 31.61 | 35.02 | 32.94 | 36.70 | 6.29 | 28000 | 1.16 | 1.10 | 1.11 |
| 28500 | 10.94 | 10.92 | 10.97 | 10.93 | 10.88 | 10.90 | 0.12 | 34.52 | 42.48 | 38.08 | 35.03 | 6.46 | 28500 | 1.10 | 1.14 | 1.09 |
| 29000 | 10.97 | 10.95 | 11.02 | 10.96 | 10.93 | 10.95 | 0.12 | 28.55 | 39.98 | 52.48 | 29.37 | 6.77 | 29000 | 1.16 | 1.16 | 1.09 |
| 29500 | 11.01 | 10.98 | 11.03 | 10.97 | 10.95 | 10.98 | 0.11 | 26.78 | 34.16 | 42.00 | 29.31 | 6.56 | 29500 | 1.14 | 1.17 | 1.15 |
| 30000 | 11.03 | 11.00 | 11.02 | 10.99 | 10.96 | 10.99 | 0.09 | 23.75 | 36.15 | 43.38 | 25.11 | 6.88 | 30000 | 1.06 | 1.12 | 1.15 |
| 31000 | 11.07 | 11.06 | 11.09 | 11.06 | 11.04 | 11.06 | 0.08 | 35.79 | 33.12 | 35.72 | 28.81 | 7.17 | 31000 | 1.14 | 1.24 | 1.22 |
| 32000 | 11.15 | 11.14 | 11.17 | 11.13 | 11.11 | 11.13 | 0.09 | 31.77 | 33.60 | 38.08 | 32.23 | 7.45 | 32000 | 1.17 | 1.19 | 1.26 |
| 33000 | 11.19 | 11.17 | 11.23 | 11.18 | 11.17 | 11.20 | 0.08 | 27.71 | 35.91 | 34.03 | 27.01 | 7.57 | 33000 | 1.15 | 1.21 | 1.27 |
| 34000 | 11.27 | 11.26 | 11.31 | 11.25 | 11.24 | 11.28 | 0.09 | 32.88 | 30.51 | 31.44 | 32.58 | 7.78 | 34000 | 1.18 | 1.22 | 1.33 |
| 35000 | 11.37 | 11.35 | 11.39 | 11.35 | 11.33 | 11.35 | 0.08 | 30.58 | 32.68 | 31.88 | 32.28 | 7.69 | 35000 | 1.23 | 1.18 | 1.24 |
| 36000 | 11.40 | 11.34 | 11.39 | 11.34 | 11.32 | 11.36 | 0.10 | 30.23 | 34.53 | 37.17 | 30.17 | 8.06 | 36000 | 1.09 | 1.17 | 1.18 |
| 37000 | 11.46 | 11.42 | 11.48 | 11.45 | 11.41 | 11.42 | 0.13 | 41.51 | 33.22 | 35.70 | 34.63 | 8.17 | 37000 | 1.19 | 1.11 | 1.06 |
| 38000 | 11.48 | 11.45 | 11.52 | 11.47 | 11.42 | 11.44 | 0.14 | 28.46 | 33.45 | 38.04 | 27.72 | 8.44 | 38000 | 1.05 | 1.02 | 1.06 |
| 39000 | 11.56 | 11.57 | 11.57 | 11.55 | 11.53 | 11.54 | 0.07 | 30.09 | 44.45 | 38.89 | 28.61 | 8.88 | 39000 | 1.13 | 1.04 | 1.06 |
| 40000 | 11.56 | 11.54 | 11.59 | 11.57 | 11.55 | 11.57 | 0.08 | 34.41 | 37.95 | 39.68 | 35.53 | 9.08 | 40000 | 1.04 | 1.08 | 1.17 |
| 43500 | 11.86 | 11.80 | 11.87 | 11.80 | 11.77 | 11.80 | 0.14 | 31.31 | 32.07 | 30.93 | 29.64 | 9.73 | 43500 | 1.18 | 1.23 | 1.19 |

¹Total Loss = Insertion Loss + 9dB Splitter Loss



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Page 4 of 5

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|-------|-------|-------|
| 20.31 | 18.61 | 18.52 |
| 25.42 | 20.86 | 20.90 |



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Page 5 of 5