

Typical Performance Data

Definitions:

Input Return Loss = -S11 (dB)

Gain(Power Gain) = S21 (dB)

Reverse Isolation = -S12 (dB)

Output Return Loss = -S22 (dB)

TEST CONDITIONS: Vd = 4.00V, Id = 210.04mA @ Temperature = +25°C

| FREQ | Gain | Isolation | Input Return Loss | Output Return Loss | Stability | | IP-3 Output | 1dB Comp. Output | Noise Figure |
|-------|-------|-----------|-------------------|--------------------|-----------|---------|-------------|------------------|--------------|
| | | | | | K | Measure | | | |
| (MHz) | (dB) | (dB) | (dB) | (dB) | K | Measure | (dBm) | (dBm) | (dB) |
| 1000 | 6.20 | 68.98 | 7.30 | 4.63 | 367.19 | 0.78 | 22.73 | 13.16 | 8.75 |
| 1500 | 14.92 | 75.14 | 9.82 | 11.97 | 430.62 | 1.03 | 30.97 | 18.37 | 6.87 |
| 2000 | 15.47 | 72.42 | 11.65 | 17.83 | 322.77 | 1.05 | 31.25 | 18.96 | 6.83 |
| 2500 | 15.33 | 69.68 | 13.07 | 20.45 | 245.60 | 1.04 | 30.86 | 19.00 | 6.80 |
| 3000 | 15.30 | 68.34 | 14.23 | 21.48 | 214.45 | 1.03 | 30.36 | 19.22 | 6.70 |
| 3500 | 15.34 | 67.29 | 15.22 | 21.83 | 190.64 | 1.02 | 29.78 | 19.07 | 6.64 |
| 4000 | 15.42 | 67.16 | 15.98 | 21.67 | 186.97 | 1.02 | 29.72 | 19.38 | 6.52 |
| 4500 | 15.52 | 66.64 | 16.58 | 21.38 | 174.59 | 1.01 | 29.37 | 19.11 | 6.45 |
| 5000 | 15.65 | 66.79 | 16.81 | 21.18 | 175.10 | 1.01 | 29.16 | 19.37 | 6.34 |
| 5500 | 15.93 | 67.68 | 16.81 | 21.15 | 187.81 | 1.01 | 28.88 | 19.12 | 6.28 |
| 6000 | 16.10 | 68.36 | 16.70 | 20.97 | 198.96 | 1.01 | 28.65 | 19.39 | 6.18 |
| 6500 | 16.21 | 68.13 | 16.39 | 21.00 | 191.25 | 1.01 | 28.81 | 19.01 | 6.06 |
| 7000 | 16.30 | 67.72 | 15.91 | 21.32 | 180.24 | 1.02 | 28.43 | 19.29 | 5.97 |
| 7500 | 16.42 | 66.54 | 15.31 | 21.90 | 154.63 | 1.02 | 28.53 | 19.34 | 5.88 |
| 8000 | 16.53 | 66.68 | 14.69 | 22.44 | 154.54 | 1.03 | 28.14 | 19.43 | 5.80 |
| 8500 | 16.58 | 66.73 | 14.09 | 22.69 | 153.82 | 1.03 | 28.05 | 19.55 | 5.64 |
| 9000 | 16.60 | 67.93 | 13.53 | 22.54 | 174.99 | 1.04 | 27.85 | 19.65 | 5.60 |
| 9500 | 16.62 | 67.81 | 13.16 | 22.18 | 171.48 | 1.04 | 27.66 | 19.58 | 5.51 |
| 10000 | 16.60 | 66.92 | 12.85 | 21.39 | 154.34 | 1.04 | 27.19 | 19.72 | 5.43 |
| 10500 | 16.56 | 66.24 | 12.67 | 20.50 | 142.78 | 1.04 | 26.98 | 19.60 | 5.38 |
| 11000 | 16.49 | 66.56 | 12.46 | 19.56 | 148.76 | 1.04 | 26.63 | 19.77 | 5.26 |
| 11500 | 16.39 | 65.87 | 12.28 | 18.85 | 138.23 | 1.05 | 26.43 | 19.09 | 5.12 |
| 12000 | 16.32 | 64.33 | 12.02 | 18.09 | 116.04 | 1.05 | 25.98 | 19.29 | 5.04 |
| 12500 | 16.24 | 62.53 | 11.77 | 17.37 | 94.50 | 1.05 | 25.61 | 19.27 | 4.92 |
| 13000 | 16.17 | 61.16 | 11.58 | 16.77 | 80.95 | 1.05 | 25.51 | 19.37 | 4.87 |
| 13500 | 16.13 | 60.25 | 11.43 | 16.30 | 72.92 | 1.05 | 25.29 | 18.63 | 4.75 |
| 14000 | 16.10 | 59.21 | 11.26 | 15.96 | 64.53 | 1.05 | 25.03 | 18.43 | 4.78 |
| 14500 | 16.12 | 58.27 | 11.14 | 15.76 | 57.55 | 1.05 | 24.97 | 18.37 | 4.71 |
| 15000 | 16.15 | 57.02 | 11.16 | 15.71 | 49.73 | 1.05 | 24.88 | 18.36 | 4.68 |
| 15500 | 16.20 | 55.69 | 11.37 | 15.51 | 42.49 | 1.04 | 24.94 | 18.30 | 4.68 |
| 16000 | 16.23 | 54.79 | 11.61 | 15.31 | 38.30 | 1.04 | 24.68 | 18.54 | 4.67 |
| 16500 | 16.23 | 54.46 | 12.04 | 15.17 | 37.07 | 1.03 | 24.42 | 18.64 | 4.72 |
| 17000 | 16.25 | 54.61 | 12.75 | 15.25 | 38.07 | 1.02 | 24.03 | 18.01 | 4.70 |
| 17500 | 16.31 | 54.17 | 13.61 | 15.55 | 36.37 | 1.01 | 23.76 | 18.02 | 4.84 |
| 18000 | 16.42 | 54.38 | 14.68 | 16.16 | 37.27 | 1.01 | 23.46 | 17.88 | 4.94 |
| 18500 | 16.51 | 54.82 | 15.73 | 16.70 | 39.18 | 1.01 | 23.19 | 17.81 | 5.00 |
| 19000 | 16.56 | 55.39 | 16.16 | 17.34 | 41.83 | 1.01 | 22.95 | 17.69 | 5.14 |
| 19500 | 16.50 | 56.81 | 15.56 | 17.90 | 49.55 | 1.01 | 22.75 | 17.69 | 5.19 |
| 20000 | 16.32 | 58.50 | 14.24 | 18.61 | 61.03 | 1.02 | 22.52 | 17.97 | 5.41 |

Typical Performance Data

Definitions:

Input Return Loss = -S11 (dB)

Gain(Power Gain) = S21 (dB)

Reverse Isolation = -S12 (dB)

Output Return Loss = -S22 (dB)

TEST CONDITIONS: Vd = 3.75V, Id = 212.00mA @ Temperature = +25°C

| FREQ | Gain | Isolation | Input Return Loss | Output Return Loss | Stability | | IP-3 Output | 1dB Comp. Output | Noise Figure |
|-------|-------|-----------|-------------------|--------------------|-----------|---------|-------------|------------------|--------------|
| | | | | | K | Measure | | | |
| (MHz) | (dB) | (dB) | (dB) | (dB) | K | Measure | (dBm) | (dBm) | (dB) |
| 1000 | 6.62 | 69.20 | 7.33 | 4.63 | 360.16 | 0.78 | 21.08 | 12.54 | 8.66 |
| 1500 | 15.32 | 75.61 | 9.88 | 11.97 | 434.01 | 1.03 | 27.89 | 17.52 | 6.84 |
| 2000 | 15.87 | 72.54 | 11.74 | 17.83 | 312.43 | 1.05 | 28.08 | 18.13 | 6.80 |
| 2500 | 15.75 | 69.44 | 13.20 | 20.47 | 228.08 | 1.04 | 27.78 | 18.18 | 6.76 |
| 3000 | 15.72 | 68.23 | 14.39 | 21.52 | 202.04 | 1.03 | 27.58 | 18.43 | 6.65 |
| 3500 | 15.77 | 67.64 | 15.44 | 21.87 | 189.19 | 1.02 | 27.19 | 18.25 | 6.60 |
| 4000 | 15.85 | 67.15 | 16.24 | 21.71 | 178.02 | 1.02 | 27.26 | 18.60 | 6.47 |
| 4500 | 15.96 | 66.69 | 16.89 | 21.42 | 167.17 | 1.01 | 27.23 | 18.25 | 6.42 |
| 5000 | 16.09 | 67.12 | 17.17 | 21.24 | 173.30 | 1.01 | 27.15 | 18.59 | 6.27 |
| 5500 | 16.39 | 67.55 | 17.20 | 21.21 | 176.10 | 1.01 | 27.14 | 18.27 | 6.24 |
| 6000 | 16.56 | 68.47 | 17.11 | 21.01 | 191.50 | 1.01 | 27.10 | 18.58 | 6.11 |
| 6500 | 16.68 | 68.44 | 16.80 | 21.00 | 188.08 | 1.01 | 27.14 | 18.13 | 6.04 |
| 7000 | 16.77 | 67.70 | 16.33 | 21.30 | 170.53 | 1.02 | 27.06 | 18.43 | 5.96 |
| 7500 | 16.91 | 66.60 | 15.72 | 21.90 | 147.58 | 1.02 | 27.08 | 18.45 | 5.85 |
| 8000 | 17.02 | 66.86 | 15.08 | 22.46 | 149.49 | 1.03 | 27.05 | 18.56 | 5.77 |
| 8500 | 17.08 | 66.91 | 14.45 | 22.69 | 148.63 | 1.03 | 26.93 | 18.68 | 5.63 |
| 9000 | 17.12 | 68.21 | 13.89 | 22.48 | 170.95 | 1.03 | 26.86 | 18.77 | 5.58 |
| 9500 | 17.14 | 68.24 | 13.52 | 22.11 | 170.33 | 1.04 | 26.73 | 18.69 | 5.47 |
| 10000 | 17.14 | 67.85 | 13.19 | 21.36 | 162.12 | 1.04 | 26.46 | 18.84 | 5.41 |
| 10500 | 17.11 | 67.02 | 12.99 | 20.51 | 147.33 | 1.04 | 26.39 | 18.66 | 5.32 |
| 11000 | 17.04 | 66.65 | 12.76 | 19.54 | 141.57 | 1.04 | 26.15 | 18.86 | 5.21 |
| 11500 | 16.95 | 66.09 | 12.57 | 18.73 | 133.60 | 1.04 | 25.97 | 18.12 | 5.09 |
| 12000 | 16.88 | 64.53 | 12.28 | 17.92 | 111.76 | 1.04 | 25.71 | 18.30 | 5.01 |
| 12500 | 16.81 | 62.48 | 11.99 | 17.23 | 88.31 | 1.04 | 25.52 | 18.24 | 4.88 |
| 13000 | 16.73 | 61.23 | 11.77 | 16.69 | 76.65 | 1.04 | 25.61 | 18.34 | 4.82 |
| 13500 | 16.69 | 60.31 | 11.59 | 16.28 | 68.97 | 1.04 | 25.35 | 17.59 | 4.72 |
| 14000 | 16.67 | 59.20 | 11.38 | 15.95 | 60.50 | 1.04 | 25.23 | 17.40 | 4.74 |
| 14500 | 16.68 | 58.25 | 11.22 | 15.67 | 53.91 | 1.05 | 25.31 | 17.34 | 4.64 |
| 15000 | 16.71 | 57.09 | 11.19 | 15.45 | 46.96 | 1.04 | 25.41 | 17.38 | 4.62 |
| 15500 | 16.76 | 55.68 | 11.35 | 15.16 | 39.72 | 1.04 | 25.44 | 17.34 | 4.63 |
| 16000 | 16.79 | 54.80 | 11.51 | 14.95 | 35.81 | 1.04 | 25.13 | 17.61 | 4.61 |
| 16500 | 16.80 | 54.61 | 11.89 | 14.93 | 35.21 | 1.03 | 25.07 | 17.70 | 4.66 |
| 17000 | 16.83 | 54.71 | 12.54 | 15.09 | 35.86 | 1.02 | 24.74 | 17.07 | 4.64 |
| 17500 | 16.90 | 54.20 | 13.38 | 15.40 | 33.93 | 1.02 | 24.63 | 17.05 | 4.78 |
| 18000 | 17.05 | 54.31 | 14.44 | 15.98 | 34.29 | 1.01 | 24.41 | 16.91 | 4.85 |
| 18500 | 17.19 | 54.85 | 15.59 | 16.55 | 36.32 | 1.01 | 24.22 | 16.85 | 4.90 |
| 19000 | 17.29 | 55.28 | 16.38 | 17.32 | 38.04 | 1.00 | 24.08 | 16.74 | 5.02 |
| 19500 | 17.29 | 56.51 | 16.14 | 18.07 | 43.91 | 1.01 | 23.91 | 16.76 | 5.10 |
| 20000 | 17.16 | 57.99 | 15.05 | 18.95 | 52.61 | 1.02 | 23.69 | 17.03 | 5.29 |

Typical Performance Data

Definitions:

Input Return Loss = -S11 (dB)

Gain(Power Gain) = S21 (dB)

Reverse Isolation = -S12 (dB)

Output Return Loss = -S22 (dB)

TEST CONDITIONS: Vd = 4.25V, Id = 211.61mA @ Temperature = +25°C

| FREQ | Gain | Isolation | Input Return Loss | Output Return Loss | Stability | | IP-3 Output | 1dB Comp. Output | Noise Figure |
|-------|-------|-----------|-------------------|--------------------|-----------|---------|-------------|------------------|--------------|
| | | | | | K | Measure | | | |
| (MHz) | (dB) | (dB) | (dB) | (dB) | K | Measure | (dBm) | (dBm) | (dB) |
| 1000 | 5.93 | 69.09 | 7.29 | 4.62 | 383.36 | 0.78 | 23.10 | 13.41 | 8.87 |
| 1500 | 14.66 | 75.09 | 9.80 | 11.97 | 440.59 | 1.03 | 29.96 | 18.93 | 6.96 |
| 2000 | 15.21 | 72.36 | 11.61 | 17.86 | 329.81 | 1.05 | 30.79 | 19.50 | 6.91 |
| 2500 | 15.07 | 69.55 | 13.01 | 20.52 | 249.30 | 1.04 | 30.60 | 19.53 | 6.88 |
| 3000 | 15.03 | 68.15 | 14.13 | 21.57 | 216.14 | 1.03 | 30.23 | 19.66 | 6.78 |
| 3500 | 15.08 | 67.44 | 15.09 | 21.91 | 199.79 | 1.02 | 29.57 | 19.58 | 6.71 |
| 4000 | 15.15 | 67.13 | 15.85 | 21.74 | 192.01 | 1.02 | 29.29 | 19.79 | 6.59 |
| 4500 | 15.25 | 66.66 | 16.41 | 21.46 | 180.36 | 1.02 | 28.96 | 19.65 | 6.53 |
| 5000 | 15.37 | 66.91 | 16.63 | 21.28 | 183.38 | 1.01 | 28.62 | 19.81 | 6.42 |
| 5500 | 15.65 | 67.29 | 16.61 | 21.25 | 185.41 | 1.01 | 28.25 | 19.65 | 6.38 |
| 6000 | 15.82 | 68.21 | 16.49 | 21.07 | 201.89 | 1.01 | 27.91 | 19.83 | 6.24 |
| 6500 | 15.92 | 68.31 | 16.19 | 21.07 | 201.58 | 1.02 | 27.81 | 19.61 | 6.14 |
| 7000 | 16.00 | 67.35 | 15.70 | 21.41 | 178.37 | 1.02 | 27.47 | 19.84 | 6.07 |
| 7500 | 16.12 | 66.43 | 15.10 | 22.05 | 157.81 | 1.02 | 27.37 | 19.91 | 5.96 |
| 8000 | 16.23 | 66.64 | 14.49 | 22.66 | 159.08 | 1.03 | 27.17 | 19.99 | 5.90 |
| 8500 | 16.27 | 66.24 | 13.89 | 22.92 | 150.42 | 1.04 | 27.00 | 20.11 | 5.74 |
| 9000 | 16.29 | 67.87 | 13.36 | 22.71 | 179.99 | 1.04 | 26.77 | 20.17 | 5.68 |
| 9500 | 16.30 | 68.02 | 12.99 | 22.34 | 181.89 | 1.04 | 26.58 | 20.13 | 5.58 |
| 10000 | 16.28 | 66.83 | 12.70 | 21.58 | 158.33 | 1.05 | 26.25 | 20.22 | 5.51 |
| 10500 | 16.24 | 66.17 | 12.51 | 20.73 | 146.85 | 1.05 | 25.91 | 20.15 | 5.46 |
| 11000 | 16.16 | 66.44 | 12.31 | 19.76 | 152.12 | 1.05 | 25.67 | 20.28 | 5.33 |
| 11500 | 16.06 | 65.77 | 12.15 | 18.92 | 141.75 | 1.05 | 25.40 | 19.73 | 5.20 |
| 12000 | 15.98 | 64.27 | 11.90 | 18.12 | 119.62 | 1.05 | 25.07 | 19.91 | 5.12 |
| 12500 | 15.91 | 62.52 | 11.66 | 17.46 | 97.98 | 1.05 | 24.76 | 19.85 | 5.00 |
| 13000 | 15.84 | 61.13 | 11.49 | 16.98 | 83.67 | 1.05 | 24.59 | 19.90 | 4.96 |
| 13500 | 15.80 | 60.20 | 11.36 | 16.60 | 75.23 | 1.05 | 24.44 | 19.28 | 4.87 |
| 14000 | 15.78 | 59.12 | 11.22 | 16.30 | 66.33 | 1.05 | 24.06 | 19.08 | 4.86 |
| 14500 | 15.80 | 58.28 | 11.11 | 16.02 | 59.85 | 1.05 | 24.01 | 19.04 | 4.77 |
| 15000 | 15.83 | 56.95 | 11.17 | 15.78 | 51.23 | 1.05 | 23.86 | 19.01 | 4.75 |
| 15500 | 15.87 | 55.70 | 11.41 | 15.48 | 44.23 | 1.04 | 23.81 | 18.93 | 4.78 |
| 16000 | 15.90 | 54.69 | 11.67 | 15.30 | 39.36 | 1.04 | 23.64 | 19.11 | 4.78 |
| 16500 | 15.90 | 54.38 | 12.14 | 15.33 | 38.26 | 1.03 | 23.32 | 19.22 | 4.83 |
| 17000 | 15.92 | 54.51 | 12.88 | 15.52 | 39.18 | 1.02 | 22.87 | 18.63 | 4.80 |
| 17500 | 15.96 | 54.02 | 13.77 | 15.82 | 37.30 | 1.01 | 22.70 | 18.61 | 4.96 |
| 18000 | 16.06 | 54.38 | 14.80 | 16.30 | 38.91 | 1.01 | 22.33 | 18.46 | 5.06 |
| 18500 | 16.13 | 54.96 | 15.67 | 16.71 | 41.59 | 1.01 | 22.02 | 18.38 | 5.11 |
| 19000 | 16.14 | 55.57 | 15.89 | 17.28 | 44.72 | 1.01 | 21.78 | 18.24 | 5.27 |
| 19500 | 16.05 | 56.98 | 15.10 | 17.85 | 53.02 | 1.01 | 21.54 | 18.23 | 5.34 |
| 20000 | 15.85 | 58.95 | 13.74 | 18.64 | 67.47 | 1.03 | 21.30 | 18.47 | 5.55 |

Typical Performance Data

Definitions:

Input Return Loss = -S11 (dB)

Gain(Power Gain) = S21 (dB)

Reverse Isolation = -S12 (dB)

Output Return Loss = -S22 (dB)

TEST CONDITIONS: Vd = 4.00V, Id = 210.70mA @ Temperature = -45°C

| FREQ | Gain | Isolation | Input Return Loss | Output Return Loss | Stability | | IP-3 Output | 1dB Comp. Output | Noise Figure |
|-------|-------|-----------|-------------------|--------------------|-----------|---------|-------------|------------------|--------------|
| | | | | | K | Measure | | | |
| (MHz) | (dB) | (dB) | (dB) | (dB) | K | Measure | (dBm) | (dBm) | (dB) |
| 1000 | 7.94 | 68.88 | 7.47 | 4.39 | 291.59 | 0.75 | 18.42 | 10.20 | 7.30 |
| 1500 | 17.07 | 75.03 | 10.07 | 11.58 | 331.62 | 1.02 | 25.00 | 16.53 | 5.76 |
| 2000 | 17.63 | 72.75 | 11.98 | 17.50 | 262.16 | 1.04 | 25.36 | 16.62 | 5.77 |
| 2500 | 17.50 | 69.39 | 13.45 | 19.98 | 185.94 | 1.03 | 25.17 | 16.46 | 5.77 |
| 3000 | 17.47 | 68.59 | 14.70 | 21.33 | 172.50 | 1.03 | 25.07 | 16.52 | 5.68 |
| 3500 | 17.54 | 67.69 | 16.13 | 21.88 | 155.82 | 1.02 | 24.87 | 16.50 | 5.64 |
| 4000 | 17.65 | 67.52 | 17.63 | 21.90 | 152.02 | 1.01 | 24.93 | 16.61 | 5.54 |
| 4500 | 17.76 | 66.73 | 18.06 | 20.98 | 137.18 | 1.01 | 24.87 | 16.70 | 5.52 |
| 5000 | 17.89 | 67.06 | 17.94 | 20.91 | 140.20 | 1.01 | 24.81 | 16.65 | 5.40 |
| 5500 | 18.22 | 67.30 | 18.02 | 20.69 | 138.74 | 1.01 | 24.81 | 16.69 | 5.39 |
| 6000 | 18.43 | 68.20 | 18.31 | 20.13 | 150.16 | 1.00 | 24.79 | 16.70 | 5.23 |
| 6500 | 18.58 | 67.10 | 18.29 | 20.04 | 130.09 | 1.00 | 24.91 | 16.96 | 5.17 |
| 7000 | 18.70 | 66.50 | 17.61 | 20.30 | 119.35 | 1.01 | 24.81 | 16.96 | 5.10 |
| 7500 | 18.87 | 65.59 | 16.86 | 21.35 | 105.30 | 1.01 | 24.88 | 17.15 | 5.01 |
| 8000 | 19.03 | 65.24 | 16.47 | 22.47 | 99.30 | 1.02 | 24.84 | 17.10 | 4.90 |
| 8500 | 19.14 | 64.85 | 16.12 | 22.44 | 93.51 | 1.02 | 24.82 | 17.21 | 4.78 |
| 9000 | 19.21 | 65.29 | 15.52 | 21.15 | 97.13 | 1.02 | 24.80 | 17.20 | 4.73 |
| 9500 | 19.27 | 65.47 | 15.00 | 20.47 | 98.03 | 1.02 | 24.80 | 17.24 | 4.63 |
| 10000 | 19.30 | 64.69 | 14.39 | 20.63 | 88.76 | 1.03 | 24.73 | 17.21 | 4.58 |
| 10500 | 19.35 | 64.02 | 14.05 | 20.37 | 81.52 | 1.03 | 24.55 | 17.23 | 4.49 |
| 11000 | 19.32 | 63.62 | 14.01 | 19.23 | 77.83 | 1.03 | 24.53 | 17.15 | 4.41 |
| 11500 | 19.22 | 63.11 | 13.46 | 16.52 | 73.03 | 1.02 | 24.51 | 17.28 | 4.31 |
| 12000 | 19.14 | 62.43 | 12.65 | 15.48 | 67.13 | 1.02 | 24.26 | 17.18 | 4.19 |
| 12500 | 19.04 | 61.67 | 11.96 | 15.14 | 61.49 | 1.03 | 24.14 | 17.07 | 4.10 |
| 13000 | 19.01 | 60.56 | 11.70 | 15.89 | 54.30 | 1.04 | 24.26 | 17.02 | 4.02 |
| 13500 | 19.04 | 59.65 | 11.82 | 16.86 | 49.13 | 1.04 | 24.40 | 17.09 | 3.87 |
| 14000 | 19.05 | 58.79 | 11.99 | 16.92 | 44.62 | 1.04 | 24.14 | 17.03 | 3.89 |
| 14500 | 19.05 | 57.88 | 11.90 | 14.91 | 39.63 | 1.03 | 24.17 | 17.03 | 3.76 |
| 15000 | 18.97 | 57.30 | 11.43 | 12.88 | 36.38 | 1.02 | 24.27 | 16.98 | 3.78 |
| 15500 | 18.98 | 56.63 | 10.82 | 12.23 | 32.97 | 1.02 | 24.32 | 16.94 | 3.74 |
| 16000 | 19.04 | 55.76 | 10.72 | 12.50 | 29.67 | 1.02 | 24.21 | 16.95 | 3.72 |
| 16500 | 19.21 | 55.27 | 11.61 | 13.90 | 28.42 | 1.02 | 24.34 | 17.08 | 3.74 |
| 17000 | 19.37 | 55.05 | 13.04 | 15.47 | 28.12 | 1.02 | 24.01 | 16.92 | 3.69 |
| 17500 | 19.48 | 54.38 | 13.82 | 15.73 | 25.96 | 1.01 | 23.98 | 16.88 | 3.72 |
| 18000 | 19.47 | 53.89 | 13.12 | 14.25 | 24.14 | 1.01 | 23.72 | 16.68 | 3.79 |
| 18500 | 19.54 | 53.78 | 12.63 | 14.22 | 23.48 | 1.01 | 23.40 | 16.53 | 3.88 |
| 19000 | 19.85 | 53.62 | 13.32 | 15.69 | 22.66 | 1.02 | 23.09 | 16.29 | 3.93 |
| 19500 | 20.21 | 53.84 | 14.95 | 18.04 | 22.90 | 1.02 | 22.66 | 16.20 | 3.97 |
| 20000 | 20.33 | 54.73 | 17.58 | 19.88 | 25.53 | 1.01 | 22.45 | 16.10 | 4.12 |

Typical Performance Data

Definitions:

Input Return Loss = -S11 (dB)

Gain(Power Gain) = S21 (dB)

Reverse Isolation = -S12 (dB)

Output Return Loss = -S22 (dB)

TEST CONDITIONS: Vd = 3.75V, Id = 210.30mA @ Temperature = -45°C

| FREQ | Gain | Isolation | Input Return Loss | Output Return Loss | Stability | | IP-3 Output | 1dB Comp. Output | Noise Figure |
|-------|-------|-----------|-------------------|--------------------|-----------|---------|-------------|------------------|--------------|
| | | | | | K | Measure | | | |
| (MHz) | (dB) | (dB) | (dB) | (dB) | K | Measure | (dBm) | (dBm) | (dB) |
| 1000 | 8.24 | 68.88 | 7.51 | 4.40 | 281.83 | 0.75 | 17.78 | 9.56 | 7.25 |
| 1500 | 17.37 | 75.35 | 10.12 | 11.57 | 332.74 | 1.02 | 23.02 | 15.83 | 5.76 |
| 2000 | 17.94 | 72.28 | 12.07 | 17.49 | 240.07 | 1.04 | 24.86 | 15.95 | 5.77 |
| 2500 | 17.81 | 69.63 | 13.57 | 19.97 | 184.61 | 1.03 | 24.85 | 15.83 | 5.75 |
| 3000 | 17.78 | 68.27 | 14.87 | 21.36 | 160.56 | 1.03 | 24.88 | 15.86 | 5.67 |
| 3500 | 17.86 | 67.36 | 16.36 | 21.90 | 144.88 | 1.02 | 24.59 | 15.82 | 5.61 |
| 4000 | 17.97 | 67.32 | 17.93 | 21.93 | 143.36 | 1.01 | 24.76 | 15.84 | 5.49 |
| 4500 | 18.08 | 66.84 | 18.39 | 21.00 | 133.98 | 1.01 | 24.67 | 15.91 | 5.50 |
| 5000 | 18.22 | 67.12 | 18.33 | 20.95 | 136.17 | 1.01 | 24.66 | 15.92 | 5.38 |
| 5500 | 18.56 | 67.55 | 18.44 | 20.74 | 137.49 | 1.01 | 24.63 | 15.96 | 5.36 |
| 6000 | 18.77 | 67.86 | 18.77 | 20.16 | 139.02 | 1.00 | 24.67 | 15.91 | 5.25 |
| 6500 | 18.93 | 67.44 | 18.78 | 20.08 | 130.12 | 1.00 | 24.72 | 16.13 | 5.17 |
| 7000 | 19.06 | 66.65 | 18.10 | 20.30 | 116.79 | 1.01 | 24.64 | 16.13 | 5.09 |
| 7500 | 19.23 | 65.58 | 17.32 | 21.40 | 101.17 | 1.01 | 24.73 | 16.31 | 5.01 |
| 8000 | 19.40 | 65.50 | 16.92 | 22.48 | 98.33 | 1.01 | 24.74 | 16.37 | 4.89 |
| 8500 | 19.52 | 64.89 | 16.57 | 22.51 | 90.21 | 1.02 | 24.73 | 16.49 | 4.74 |
| 9000 | 19.59 | 65.58 | 15.97 | 21.14 | 96.35 | 1.02 | 24.72 | 16.49 | 4.71 |
| 9500 | 19.65 | 65.65 | 15.44 | 20.48 | 96.00 | 1.02 | 24.78 | 16.52 | 4.64 |
| 10000 | 19.70 | 65.07 | 14.81 | 20.64 | 88.89 | 1.02 | 24.63 | 16.45 | 4.57 |
| 10500 | 19.75 | 64.28 | 14.44 | 20.39 | 80.38 | 1.03 | 24.48 | 16.45 | 4.47 |
| 11000 | 19.73 | 63.93 | 14.42 | 19.27 | 77.26 | 1.02 | 24.37 | 16.37 | 4.39 |
| 11500 | 19.64 | 63.31 | 13.83 | 16.48 | 71.51 | 1.02 | 24.41 | 16.56 | 4.33 |
| 12000 | 19.56 | 62.82 | 12.97 | 15.44 | 67.11 | 1.02 | 24.31 | 16.48 | 4.20 |
| 12500 | 19.46 | 61.81 | 12.25 | 15.10 | 59.77 | 1.03 | 24.23 | 16.37 | 4.12 |
| 13000 | 19.44 | 60.75 | 11.97 | 15.86 | 53.07 | 1.04 | 24.30 | 16.35 | 4.00 |
| 13500 | 19.47 | 59.80 | 12.03 | 16.85 | 47.69 | 1.04 | 24.32 | 16.36 | 3.88 |
| 14000 | 19.47 | 58.91 | 12.22 | 16.88 | 43.17 | 1.04 | 24.17 | 16.29 | 3.88 |
| 14500 | 19.47 | 57.92 | 12.10 | 14.82 | 38.02 | 1.03 | 24.24 | 16.38 | 3.77 |
| 15000 | 19.39 | 57.42 | 11.59 | 12.74 | 35.18 | 1.01 | 24.27 | 16.32 | 3.76 |
| 15500 | 19.39 | 56.77 | 10.89 | 12.07 | 31.91 | 1.01 | 24.33 | 16.28 | 3.75 |
| 16000 | 19.44 | 55.71 | 10.76 | 12.35 | 28.16 | 1.02 | 24.20 | 16.27 | 3.71 |
| 16500 | 19.60 | 55.31 | 11.60 | 13.74 | 27.25 | 1.02 | 24.24 | 16.38 | 3.72 |
| 17000 | 19.76 | 55.06 | 12.96 | 15.30 | 26.83 | 1.02 | 24.11 | 16.27 | 3.66 |
| 17500 | 19.87 | 54.50 | 13.67 | 15.52 | 25.11 | 1.01 | 24.02 | 16.25 | 3.70 |
| 18000 | 19.84 | 53.97 | 12.93 | 14.00 | 23.23 | 1.01 | 23.77 | 16.07 | 3.78 |
| 18500 | 19.91 | 53.81 | 12.40 | 13.96 | 22.44 | 1.01 | 23.48 | 15.93 | 3.84 |
| 19000 | 20.25 | 53.58 | 12.98 | 15.41 | 21.44 | 1.02 | 23.07 | 15.68 | 3.89 |
| 19500 | 20.65 | 53.82 | 14.74 | 17.83 | 21.66 | 1.02 | 22.67 | 15.58 | 3.91 |
| 20000 | 20.83 | 54.48 | 17.85 | 19.64 | 23.44 | 1.01 | 22.45 | 15.46 | 4.03 |

Typical Performance Data

Definitions:

Input Return Loss = -S11 (dB)

Gain(Power Gain) = S21 (dB)

Reverse Isolation = -S12 (dB)

Output Return Loss = -S22 (dB)

TEST CONDITIONS: Vd = 4.25V, Id = 211.41mA @ Temperature = -45°C

| FREQ | Gain | Isolation | Input Return Loss | Output Return Loss | Stability | | IP-3 Output | 1dB Comp. Output | Noise Figure |
|-------|-------|-----------|-------------------|--------------------|-----------|---------|-------------|------------------|--------------|
| | | | | | K | Measure | | | |
| (MHz) | (dB) | (dB) | (dB) | (dB) | K | Measure | (dBm) | (dBm) | (dB) |
| 1000 | 7.47 | 69.06 | 7.45 | 4.38 | 313.13 | 0.75 | 19.59 | 11.51 | 7.43 |
| 1500 | 16.62 | 75.44 | 10.01 | 11.57 | 365.71 | 1.02 | 25.64 | 17.39 | 5.82 |
| 2000 | 17.18 | 72.73 | 11.89 | 17.48 | 274.98 | 1.05 | 26.00 | 17.51 | 5.81 |
| 2500 | 17.04 | 69.61 | 13.30 | 19.91 | 200.60 | 1.04 | 25.62 | 17.40 | 5.80 |
| 3000 | 17.01 | 68.28 | 14.52 | 21.30 | 175.38 | 1.03 | 25.63 | 17.42 | 5.73 |
| 3500 | 17.07 | 67.59 | 15.88 | 21.82 | 162.29 | 1.02 | 25.34 | 17.44 | 5.68 |
| 4000 | 17.18 | 67.15 | 17.30 | 21.85 | 153.74 | 1.01 | 25.47 | 17.54 | 5.58 |
| 4500 | 17.28 | 66.70 | 17.66 | 20.89 | 144.27 | 1.01 | 25.37 | 17.62 | 5.57 |
| 5000 | 17.40 | 66.69 | 17.54 | 20.85 | 141.95 | 1.01 | 25.33 | 17.59 | 5.46 |
| 5500 | 17.73 | 67.12 | 17.57 | 20.63 | 143.54 | 1.01 | 25.31 | 17.68 | 5.42 |
| 6000 | 17.93 | 67.54 | 17.81 | 20.04 | 147.14 | 1.01 | 25.30 | 17.67 | 5.29 |
| 6500 | 18.07 | 66.99 | 17.78 | 20.00 | 135.98 | 1.01 | 25.41 | 17.94 | 5.21 |
| 7000 | 18.19 | 66.37 | 17.09 | 20.24 | 124.61 | 1.01 | 25.33 | 18.01 | 5.14 |
| 7500 | 18.35 | 65.35 | 16.36 | 21.38 | 108.54 | 1.02 | 25.38 | 18.20 | 5.04 |
| 8000 | 18.50 | 65.02 | 15.94 | 22.46 | 102.66 | 1.02 | 25.30 | 18.15 | 4.95 |
| 8500 | 18.60 | 64.66 | 15.63 | 22.47 | 97.08 | 1.02 | 25.32 | 18.25 | 4.83 |
| 9000 | 18.67 | 64.96 | 15.05 | 21.12 | 99.19 | 1.02 | 25.28 | 18.26 | 4.74 |
| 9500 | 18.71 | 65.31 | 14.53 | 20.51 | 102.27 | 1.03 | 25.22 | 18.30 | 4.67 |
| 10000 | 18.74 | 64.55 | 13.94 | 20.70 | 92.90 | 1.03 | 25.02 | 18.28 | 4.63 |
| 10500 | 18.77 | 64.01 | 13.63 | 20.44 | 86.65 | 1.03 | 24.95 | 18.29 | 4.51 |
| 11000 | 18.73 | 63.40 | 13.61 | 19.28 | 80.91 | 1.03 | 24.80 | 18.22 | 4.44 |
| 11500 | 18.62 | 62.95 | 13.05 | 16.48 | 76.48 | 1.03 | 24.83 | 18.46 | 4.35 |
| 12000 | 18.54 | 62.37 | 12.27 | 15.47 | 71.07 | 1.03 | 24.58 | 18.31 | 4.25 |
| 12500 | 18.43 | 61.63 | 11.65 | 15.20 | 65.33 | 1.04 | 24.40 | 18.15 | 4.15 |
| 13000 | 18.42 | 60.54 | 11.45 | 16.07 | 57.85 | 1.04 | 24.54 | 18.19 | 4.05 |
| 13500 | 18.45 | 59.71 | 11.56 | 17.12 | 52.73 | 1.05 | 24.53 | 18.12 | 3.90 |
| 14000 | 18.46 | 58.50 | 11.79 | 17.16 | 46.00 | 1.04 | 24.40 | 17.97 | 3.92 |
| 14500 | 18.47 | 57.91 | 11.73 | 15.00 | 42.41 | 1.03 | 24.43 | 18.01 | 3.85 |
| 15000 | 18.40 | 57.35 | 11.30 | 12.91 | 39.04 | 1.02 | 24.55 | 18.00 | 3.79 |
| 15500 | 18.42 | 56.65 | 10.69 | 12.28 | 35.17 | 1.02 | 24.57 | 17.93 | 3.80 |
| 16000 | 18.48 | 55.77 | 10.70 | 12.63 | 31.71 | 1.02 | 24.52 | 17.96 | 3.76 |
| 16500 | 18.66 | 55.19 | 11.70 | 14.17 | 30.11 | 1.03 | 24.36 | 18.05 | 3.79 |
| 17000 | 18.83 | 54.88 | 13.20 | 15.87 | 29.45 | 1.02 | 24.20 | 17.88 | 3.74 |
| 17500 | 18.94 | 54.37 | 13.99 | 16.13 | 27.68 | 1.01 | 24.07 | 17.82 | 3.80 |
| 18000 | 18.92 | 53.83 | 13.37 | 14.54 | 25.65 | 1.01 | 23.80 | 17.62 | 3.87 |
| 18500 | 18.98 | 53.77 | 12.98 | 14.48 | 25.16 | 1.01 | 23.60 | 17.44 | 3.95 |
| 19000 | 19.26 | 53.64 | 13.57 | 15.97 | 24.41 | 1.02 | 23.33 | 17.21 | 4.04 |
| 19500 | 19.55 | 54.00 | 14.97 | 18.32 | 25.16 | 1.02 | 22.90 | 17.20 | 4.07 |
| 20000 | 19.61 | 55.03 | 16.99 | 20.04 | 28.63 | 1.01 | 22.76 | 17.12 | 4.23 |

Typical Performance Data

Definitions:

Input Return Loss = -S11 (dB)

Gain(Power Gain) = S21 (dB)

Reverse Isolation = -S12 (dB)

Output Return Loss = -S22 (dB)

TEST CONDITIONS: Vd = 4.00V, Id = 209.98mA @ Temperature = +85°C

| FREQ | Gain | Isolation | Input Return Loss | Output Return Loss | Stability | | IP-3 Output | 1dB Comp. Output | Noise Figure |
|-------|-------|-----------|-------------------|--------------------|-----------|---------|-------------|------------------|--------------|
| | | | | | K | Measure | | | |
| (MHz) | (dB) | (dB) | (dB) | (dB) | K | Measure | (dBm) | (dBm) | (dB) |
| 1000 | 5.09 | 69.27 | 7.19 | 4.81 | 438.38 | 0.80 | 24.97 | 13.13 | 10.10 |
| 1500 | 13.55 | 75.06 | 9.77 | 12.39 | 501.59 | 1.04 | 26.67 | 18.24 | 7.93 |
| 2000 | 14.08 | 72.11 | 11.65 | 18.41 | 365.86 | 1.05 | 26.60 | 18.79 | 7.86 |
| 2500 | 13.96 | 69.59 | 13.07 | 21.23 | 285.43 | 1.04 | 26.53 | 18.86 | 7.82 |
| 3000 | 13.93 | 68.13 | 14.21 | 22.26 | 245.49 | 1.03 | 26.49 | 19.05 | 7.70 |
| 3500 | 13.96 | 67.31 | 15.26 | 22.67 | 224.39 | 1.02 | 26.12 | 18.90 | 7.61 |
| 4000 | 14.04 | 67.16 | 15.95 | 22.23 | 219.35 | 1.02 | 26.05 | 19.25 | 7.49 |
| 4500 | 14.13 | 66.56 | 16.48 | 21.89 | 203.14 | 1.02 | 25.74 | 18.90 | 7.42 |
| 5000 | 14.26 | 66.99 | 16.66 | 21.55 | 210.46 | 1.01 | 25.65 | 19.24 | 7.28 |
| 5500 | 14.52 | 67.73 | 16.60 | 21.61 | 222.02 | 1.01 | 25.30 | 18.92 | 7.26 |
| 6000 | 14.68 | 68.13 | 16.41 | 21.60 | 228.10 | 1.02 | 25.20 | 19.29 | 7.07 |
| 6500 | 14.77 | 67.72 | 15.89 | 21.44 | 214.66 | 1.02 | 24.89 | 18.80 | 7.01 |
| 7000 | 14.84 | 66.89 | 15.33 | 21.62 | 193.15 | 1.02 | 24.71 | 19.14 | 6.91 |
| 7500 | 14.94 | 66.35 | 14.66 | 21.80 | 178.51 | 1.03 | 24.56 | 19.15 | 6.79 |
| 8000 | 15.04 | 65.90 | 14.07 | 22.86 | 166.81 | 1.03 | 24.46 | 19.31 | 6.70 |
| 8500 | 15.08 | 66.10 | 13.45 | 23.33 | 169.02 | 1.04 | 24.37 | 19.40 | 6.56 |
| 9000 | 15.08 | 67.10 | 12.94 | 24.15 | 188.62 | 1.05 | 24.23 | 19.55 | 6.49 |
| 9500 | 15.08 | 67.08 | 12.70 | 24.09 | 187.74 | 1.05 | 24.02 | 19.45 | 6.41 |
| 10000 | 15.05 | 66.32 | 12.58 | 23.10 | 172.02 | 1.05 | 23.84 | 19.63 | 6.33 |
| 10500 | 14.99 | 65.87 | 12.56 | 22.34 | 164.21 | 1.05 | 23.64 | 19.56 | 6.28 |
| 11000 | 14.91 | 65.30 | 12.35 | 21.27 | 154.57 | 1.05 | 23.45 | 19.71 | 6.15 |
| 11500 | 14.82 | 65.10 | 12.33 | 21.97 | 152.76 | 1.05 | 23.21 | 19.01 | 6.05 |
| 12000 | 14.75 | 63.68 | 12.39 | 21.08 | 130.73 | 1.05 | 22.99 | 19.34 | 5.96 |
| 12500 | 14.70 | 62.38 | 12.46 | 19.98 | 113.11 | 1.05 | 22.77 | 19.38 | 5.82 |
| 13000 | 14.61 | 61.03 | 12.28 | 18.18 | 97.03 | 1.04 | 22.61 | 19.42 | 5.79 |
| 13500 | 14.51 | 60.21 | 11.80 | 16.82 | 88.23 | 1.04 | 22.44 | 18.69 | 5.74 |
| 14000 | 14.44 | 59.12 | 11.16 | 15.80 | 77.10 | 1.05 | 22.21 | 18.54 | 5.76 |
| 14500 | 14.42 | 58.19 | 10.80 | 15.66 | 68.81 | 1.05 | 22.06 | 18.40 | 5.67 |
| 15000 | 14.48 | 57.14 | 10.95 | 16.52 | 61.10 | 1.06 | 21.74 | 18.34 | 5.64 |
| 15500 | 14.54 | 55.98 | 11.55 | 16.71 | 53.72 | 1.05 | 21.60 | 18.31 | 5.67 |
| 16000 | 14.58 | 55.16 | 12.02 | 16.79 | 49.03 | 1.04 | 21.31 | 18.49 | 5.65 |
| 16500 | 14.54 | 54.96 | 12.21 | 15.70 | 47.99 | 1.03 | 21.22 | 18.69 | 5.76 |
| 17000 | 14.48 | 54.86 | 12.41 | 14.75 | 47.58 | 1.02 | 20.76 | 18.00 | 5.74 |
| 17500 | 14.46 | 54.48 | 12.83 | 14.81 | 45.95 | 1.02 | 20.44 | 18.03 | 5.97 |
| 18000 | 14.53 | 54.57 | 13.84 | 15.46 | 46.79 | 1.01 | 20.03 | 17.91 | 6.06 |
| 18500 | 14.60 | 55.23 | 15.31 | 16.69 | 51.02 | 1.01 | 19.84 | 17.99 | 6.11 |
| 19000 | 14.57 | 56.20 | 16.32 | 17.01 | 57.71 | 1.00 | 19.53 | 17.89 | 6.27 |
| 19500 | 14.43 | 57.62 | 15.77 | 18.00 | 69.15 | 1.01 | 19.31 | 17.90 | 6.30 |
| 20000 | 14.19 | 59.59 | 13.82 | 17.86 | 87.81 | 1.02 | 19.19 | 18.17 | 6.54 |

Typical Performance Data

Definitions:

Input Return Loss = -S11 (dB)

Gain(Power Gain) = S21 (dB)

Reverse Isolation = -S12 (dB)

Output Return Loss = -S22 (dB)

TEST CONDITIONS: Vd = 3.75V, Id = 211.35mA @ Temperature = +85°C

| FREQ | Gain | Isolation | Input Return Loss | Output Return Loss | Stability | | IP-3 Output | 1dB Comp. Output | Noise Figure |
|-------|-------|-----------|-------------------|--------------------|-----------|---------|-------------|------------------|--------------|
| | | | | | K | Measure | | | |
| (MHz) | (dB) | (dB) | (dB) | (dB) | K | Measure | (dBm) | (dBm) | (dB) |
| 1000 | 5.34 | 69.38 | 7.20 | 4.81 | 431.87 | 0.80 | 24.94 | 13.19 | 9.96 |
| 1500 | 13.78 | 75.42 | 9.80 | 12.37 | 509.38 | 1.04 | 28.20 | 17.69 | 7.84 |
| 2000 | 14.32 | 72.09 | 11.69 | 18.34 | 355.22 | 1.05 | 28.12 | 18.24 | 7.79 |
| 2500 | 14.20 | 69.46 | 13.13 | 21.12 | 273.35 | 1.04 | 28.16 | 18.33 | 7.73 |
| 3000 | 14.17 | 68.43 | 14.29 | 22.14 | 247.04 | 1.03 | 27.99 | 18.61 | 7.63 |
| 3500 | 14.21 | 67.60 | 15.36 | 22.56 | 225.38 | 1.02 | 27.69 | 18.39 | 7.55 |
| 4000 | 14.29 | 67.26 | 16.09 | 22.11 | 215.72 | 1.02 | 27.55 | 18.80 | 7.40 |
| 4500 | 14.39 | 66.81 | 16.63 | 21.79 | 203.06 | 1.01 | 27.21 | 18.33 | 7.34 |
| 5000 | 14.52 | 67.25 | 16.83 | 21.42 | 210.49 | 1.01 | 27.07 | 18.75 | 7.20 |
| 5500 | 14.79 | 67.67 | 16.76 | 21.47 | 214.28 | 1.01 | 26.80 | 18.35 | 7.14 |
| 6000 | 14.95 | 68.12 | 16.57 | 21.44 | 221.06 | 1.01 | 26.57 | 18.79 | 7.01 |
| 6500 | 15.04 | 67.77 | 16.08 | 21.25 | 209.46 | 1.02 | 26.23 | 18.20 | 6.92 |
| 7000 | 15.11 | 66.99 | 15.49 | 21.41 | 189.39 | 1.02 | 26.06 | 18.56 | 6.81 |
| 7500 | 15.22 | 66.28 | 14.82 | 21.55 | 171.69 | 1.03 | 25.96 | 18.56 | 6.71 |
| 8000 | 15.32 | 66.07 | 14.24 | 22.58 | 164.83 | 1.03 | 25.84 | 18.74 | 6.64 |
| 8500 | 15.37 | 66.15 | 13.61 | 22.97 | 164.71 | 1.04 | 25.68 | 18.82 | 6.48 |
| 9000 | 15.37 | 67.41 | 13.09 | 23.77 | 189.39 | 1.04 | 25.48 | 19.00 | 6.42 |
| 9500 | 15.38 | 67.24 | 12.83 | 23.70 | 185.02 | 1.05 | 25.23 | 18.86 | 6.31 |
| 10000 | 15.35 | 66.43 | 12.71 | 22.75 | 168.62 | 1.05 | 25.04 | 19.09 | 6.26 |
| 10500 | 15.30 | 66.19 | 12.68 | 22.01 | 164.79 | 1.05 | 24.82 | 19.01 | 6.17 |
| 11000 | 15.22 | 65.65 | 12.46 | 20.94 | 155.40 | 1.05 | 24.55 | 19.17 | 6.07 |
| 11500 | 15.13 | 65.11 | 12.45 | 21.65 | 147.75 | 1.05 | 24.31 | 18.36 | 5.93 |
| 12000 | 15.06 | 63.84 | 12.49 | 20.74 | 128.64 | 1.05 | 24.01 | 18.72 | 5.85 |
| 12500 | 15.01 | 62.25 | 12.57 | 19.70 | 107.57 | 1.04 | 23.75 | 18.79 | 5.69 |
| 13000 | 14.92 | 61.10 | 12.37 | 17.93 | 94.49 | 1.04 | 23.59 | 18.88 | 5.69 |
| 13500 | 14.82 | 60.13 | 11.89 | 16.61 | 84.33 | 1.04 | 23.38 | 18.05 | 5.64 |
| 14000 | 14.75 | 59.21 | 11.20 | 15.58 | 75.20 | 1.05 | 23.17 | 17.92 | 5.65 |
| 14500 | 14.74 | 58.13 | 10.82 | 15.44 | 65.89 | 1.05 | 22.89 | 17.73 | 5.58 |
| 15000 | 14.80 | 57.08 | 10.95 | 16.30 | 58.43 | 1.05 | 22.63 | 17.71 | 5.54 |
| 15500 | 14.86 | 55.96 | 11.55 | 16.44 | 51.58 | 1.05 | 22.46 | 17.72 | 5.56 |
| 16000 | 14.91 | 55.16 | 11.98 | 16.53 | 47.18 | 1.04 | 22.16 | 17.97 | 5.56 |
| 16500 | 14.87 | 54.91 | 12.14 | 15.47 | 45.81 | 1.03 | 22.06 | 18.18 | 5.64 |
| 17000 | 14.82 | 54.93 | 12.34 | 14.56 | 46.00 | 1.02 | 21.60 | 17.44 | 5.61 |
| 17500 | 14.81 | 54.48 | 12.77 | 14.66 | 44.02 | 1.02 | 21.29 | 17.50 | 5.83 |
| 18000 | 14.90 | 54.66 | 13.83 | 15.38 | 45.25 | 1.01 | 20.82 | 17.43 | 5.95 |
| 18500 | 15.01 | 55.24 | 15.51 | 16.69 | 48.82 | 1.01 | 20.53 | 17.51 | 5.98 |
| 19000 | 15.00 | 56.03 | 16.74 | 17.01 | 54.00 | 1.00 | 20.34 | 17.46 | 6.10 |
| 19500 | 14.87 | 57.38 | 16.26 | 18.11 | 64.12 | 1.01 | 20.14 | 17.46 | 6.16 |
| 20000 | 14.66 | 59.16 | 14.26 | 17.97 | 79.50 | 1.02 | 19.98 | 17.76 | 6.35 |

Typical Performance Data

Definitions:

Input Return Loss = -S11 (dB)

Gain(Power Gain) = S21 (dB)

Reverse Isolation = -S12 (dB)

Output Return Loss = -S22 (dB)

TEST CONDITIONS: Vd = 4.25V, Id = 209.58mA @ Temperature = +85°C

| FREQ | Gain | Isolation | Input Return Loss | Output Return Loss | Stability | | IP-3 Output | 1dB Comp. Output | Noise Figure |
|-------|-------|-----------|-------------------|--------------------|-----------|---------|-------------|------------------|--------------|
| | | | | | K | Measure | | | |
| (MHz) | (dB) | (dB) | (dB) | (dB) | K | Measure | (dBm) | (dBm) | (dB) |
| 1000 | 4.78 | 69.24 | 7.17 | 4.81 | 452.35 | 0.80 | 25.08 | 13.30 | 10.18 |
| 1500 | 13.24 | 75.15 | 9.74 | 12.40 | 524.72 | 1.04 | 25.39 | 18.77 | 8.00 |
| 2000 | 13.78 | 72.11 | 11.60 | 18.41 | 378.46 | 1.05 | 25.44 | 19.29 | 7.91 |
| 2500 | 13.65 | 69.61 | 13.00 | 21.25 | 296.01 | 1.04 | 25.35 | 19.33 | 7.85 |
| 3000 | 13.61 | 68.39 | 14.10 | 22.26 | 261.88 | 1.03 | 25.23 | 19.47 | 7.76 |
| 3500 | 13.64 | 67.51 | 15.11 | 22.69 | 237.79 | 1.03 | 24.78 | 19.39 | 7.67 |
| 4000 | 13.71 | 66.96 | 15.81 | 22.21 | 222.58 | 1.02 | 24.84 | 19.64 | 7.56 |
| 4500 | 13.80 | 66.45 | 16.30 | 21.91 | 207.93 | 1.02 | 24.43 | 19.42 | 7.46 |
| 5000 | 13.92 | 66.87 | 16.45 | 21.52 | 215.40 | 1.02 | 24.40 | 19.67 | 7.32 |
| 5500 | 14.18 | 67.58 | 16.37 | 21.59 | 226.76 | 1.02 | 24.05 | 19.44 | 7.26 |
| 6000 | 14.33 | 68.12 | 16.15 | 21.60 | 236.91 | 1.02 | 23.89 | 19.73 | 7.13 |
| 6500 | 14.42 | 67.72 | 15.65 | 21.43 | 223.45 | 1.02 | 23.66 | 19.38 | 7.04 |
| 7000 | 14.47 | 66.78 | 15.09 | 21.63 | 198.37 | 1.02 | 23.46 | 19.68 | 6.96 |
| 7500 | 14.57 | 65.84 | 14.44 | 21.79 | 175.40 | 1.03 | 23.32 | 19.70 | 6.85 |
| 8000 | 14.66 | 65.92 | 13.87 | 22.92 | 174.43 | 1.04 | 23.29 | 19.86 | 6.75 |
| 8500 | 14.69 | 65.77 | 13.24 | 23.33 | 169.68 | 1.04 | 23.18 | 19.95 | 6.61 |
| 9000 | 14.68 | 66.82 | 12.74 | 24.19 | 190.77 | 1.05 | 23.02 | 20.08 | 6.59 |
| 9500 | 14.68 | 67.05 | 12.50 | 24.12 | 195.32 | 1.05 | 22.91 | 19.99 | 6.45 |
| 10000 | 14.64 | 66.28 | 12.40 | 23.10 | 179.04 | 1.05 | 22.73 | 20.15 | 6.38 |
| 10500 | 14.58 | 65.82 | 12.38 | 22.39 | 170.89 | 1.05 | 22.57 | 20.10 | 6.34 |
| 11000 | 14.49 | 65.57 | 12.17 | 21.27 | 166.96 | 1.05 | 22.39 | 20.23 | 6.20 |
| 11500 | 14.40 | 65.01 | 12.20 | 22.11 | 158.43 | 1.05 | 22.19 | 19.64 | 6.08 |
| 12000 | 14.32 | 63.80 | 12.26 | 21.11 | 139.03 | 1.05 | 22.05 | 19.93 | 5.99 |
| 12500 | 14.27 | 62.19 | 12.36 | 20.08 | 115.96 | 1.05 | 21.83 | 19.96 | 5.87 |
| 13000 | 14.18 | 61.21 | 12.20 | 18.25 | 103.98 | 1.04 | 21.69 | 19.96 | 5.83 |
| 13500 | 14.08 | 60.30 | 11.76 | 16.93 | 93.57 | 1.04 | 21.52 | 19.35 | 5.79 |
| 14000 | 14.01 | 59.09 | 11.10 | 15.87 | 80.70 | 1.05 | 21.29 | 19.22 | 5.82 |
| 14500 | 14.00 | 58.15 | 10.77 | 15.75 | 71.97 | 1.05 | 21.11 | 19.05 | 5.73 |
| 15000 | 14.05 | 57.03 | 10.95 | 16.67 | 63.45 | 1.06 | 20.86 | 18.97 | 5.74 |
| 15500 | 14.11 | 55.92 | 11.63 | 16.80 | 56.20 | 1.05 | 20.67 | 18.90 | 5.73 |
| 16000 | 14.14 | 55.18 | 12.13 | 16.95 | 51.85 | 1.04 | 20.45 | 19.05 | 5.75 |
| 16500 | 14.09 | 54.87 | 12.32 | 15.83 | 50.17 | 1.03 | 20.25 | 19.23 | 5.80 |
| 17000 | 14.01 | 54.86 | 12.52 | 14.84 | 50.38 | 1.02 | 19.85 | 18.56 | 5.80 |
| 17500 | 13.96 | 54.40 | 12.86 | 14.86 | 48.21 | 1.02 | 19.53 | 18.57 | 6.03 |
| 18000 | 14.00 | 54.71 | 13.73 | 15.44 | 50.41 | 1.01 | 19.16 | 18.45 | 6.18 |
| 18500 | 14.05 | 55.42 | 15.02 | 16.62 | 55.43 | 1.01 | 18.88 | 18.50 | 6.21 |
| 19000 | 13.99 | 56.35 | 15.89 | 16.81 | 62.60 | 1.00 | 18.70 | 18.41 | 6.37 |
| 19500 | 13.81 | 57.83 | 15.22 | 17.86 | 75.83 | 1.01 | 18.52 | 18.42 | 6.42 |
| 20000 | 13.54 | 59.89 | 13.31 | 17.64 | 97.29 | 1.03 | 18.31 | 18.67 | 6.64 |