

Typical Performance Data

NOTE: Use PDF Bookmarks to view DATA at required conditions

Definitions:

Input Return Loss = -S11 (dB)

Gain(Power Gain) = S21 (dB)

Reverse Isolation = -S12 (dB)

Output Return Loss = -S22 (dB)

TEST CONDITIONS: Vd = 5.00V, Id = 109.39mA @ 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) |
| 10 | 24.43 | 31.51 | 24.90 | 22.94 | 1.34 | 0.81 | 37.10 | 20.27 | 5.28 |
| 50 | 24.45 | 31.42 | 24.74 | 22.22 | 1.33 | 0.80 | 37.49 | 20.93 | 5.06 |
| 100 | 24.42 | 31.41 | 24.62 | 21.40 | 1.33 | 0.80 | 39.52 | 20.77 | 5.03 |
| 200 | 24.34 | 31.35 | 23.85 | 18.92 | 1.32 | 0.80 | 37.92 | 20.98 | 5.02 |
| 300 | 24.24 | 31.24 | 22.84 | 16.71 | 1.30 | 0.79 | 37.36 | 20.94 | 5.05 |
| 400 | 24.10 | 31.11 | 21.84 | 14.81 | 1.29 | 0.78 | 37.28 | 20.95 | 5.02 |
| 500 | 23.94 | 30.93 | 20.86 | 13.31 | 1.27 | 0.78 | 37.05 | 21.04 | 5.06 |
| 600 | 23.75 | 30.74 | 20.01 | 12.07 | 1.24 | 0.76 | 37.14 | 21.00 | 5.05 |
| 700 | 23.54 | 30.54 | 19.13 | 11.06 | 1.22 | 0.75 | 36.16 | 20.97 | 5.14 |
| 800 | 23.31 | 30.32 | 18.43 | 10.22 | 1.20 | 0.74 | 36.15 | 20.90 | 5.13 |
| 900 | 23.07 | 30.10 | 17.88 | 9.50 | 1.17 | 0.73 | 35.66 | 20.89 | 5.14 |
| 1000 | 22.82 | 29.88 | 17.38 | 8.91 | 1.15 | 0.72 | 34.90 | 20.99 | 5.14 |
| 1250 | 22.15 | 29.33 | 16.45 | 7.79 | 1.11 | 0.70 | 34.89 | 20.83 | 5.18 |
| 1500 | 21.47 | 28.79 | 15.85 | 7.06 | 1.08 | 0.68 | 33.98 | 20.94 | 5.26 |
| 1750 | 20.80 | 28.26 | 15.47 | 6.55 | 1.06 | 0.66 | 33.87 | 20.96 | 5.33 |
| 2000 | 20.15 | 27.75 | 15.29 | 6.24 | 1.05 | 0.65 | 33.82 | 21.09 | 5.34 |
| 2250 | 19.53 | 27.25 | 15.18 | 6.02 | 1.04 | 0.64 | 34.26 | 20.91 | 5.33 |
| 2500 | 18.93 | 26.75 | 15.13 | 5.90 | 1.04 | 0.64 | 34.18 | 20.61 | 5.40 |
| 2750 | 18.38 | 26.27 | 15.13 | 5.84 | 1.04 | 0.64 | 33.08 | 20.74 | 5.44 |
| 3000 | 17.85 | 25.79 | 15.14 | 5.83 | 1.05 | 0.64 | 32.68 | 20.83 | 5.40 |
| 3250 | 17.34 | 25.33 | 15.15 | 5.84 | 1.05 | 0.64 | 32.86 | 20.60 | 5.54 |
| 3500 | 16.83 | 24.90 | 15.23 | 5.86 | 1.06 | 0.64 | 33.06 | 20.30 | 5.48 |
| 3750 | 16.34 | 24.48 | 15.23 | 5.87 | 1.07 | 0.64 | 32.45 | 19.92 | 5.53 |
| 4000 | 15.85 | 24.10 | 15.24 | 5.85 | 1.08 | 0.64 | 31.33 | 19.78 | 5.55 |
| 4250 | 15.37 | 23.74 | 15.29 | 5.85 | 1.10 | 0.64 | 31.43 | 19.67 | 5.67 |
| 4500 | 14.89 | 23.39 | 15.23 | 5.83 | 1.12 | 0.64 | 30.82 | 19.30 | 5.64 |
| 4750 | 14.41 | 23.08 | 15.12 | 5.81 | 1.14 | 0.64 | 30.73 | 19.00 | 5.68 |
| 5000 | 13.93 | 22.78 | 14.87 | 5.78 | 1.15 | 0.64 | 30.27 | 18.63 | 5.81 |
| 5250 | 13.44 | 22.52 | 14.53 | 5.70 | 1.18 | 0.63 | 30.22 | 18.23 | 5.81 |
| 5500 | 12.94 | 22.29 | 14.20 | 5.64 | 1.20 | 0.63 | 30.15 | 17.75 | 5.89 |
| 5750 | 12.45 | 22.08 | 13.83 | 5.55 | 1.23 | 0.63 | 29.86 | 17.40 | 5.98 |
| 6000 | 11.94 | 21.89 | 13.44 | 5.50 | 1.26 | 0.64 | 29.81 | 16.97 | 6.01 |
| 6250 | 11.44 | 21.72 | 13.05 | 5.43 | 1.29 | 0.64 | 29.52 | 16.55 | 6.13 |
| 6500 | 10.95 | 21.56 | 12.61 | 5.34 | 1.32 | 0.64 | 29.04 | 16.23 | 6.21 |
| 6750 | 10.46 | 21.42 | 12.24 | 5.27 | 1.35 | 0.64 | 28.92 | 15.82 | 6.31 |
| 7000 | 9.96 | 21.29 | 11.87 | 5.21 | 1.39 | 0.64 | 27.96 | 15.56 | 6.37 |
| 7250 | 9.48 | 21.16 | 11.53 | 5.17 | 1.43 | 0.65 | 28.21 | 15.14 | 6.45 |
| 7500 | 9.01 | 21.04 | 11.19 | 5.15 | 1.46 | 0.65 | 27.23 | 14.87 | 6.56 |

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 = 4.75V, Id = 95.44mA @ 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) |
| 10 | 24.30 | 31.26 | 26.76 | 21.38 | 1.32 | 0.80 | 36.50 | 19.35 | 5.17 |
| 50 | 24.30 | 31.23 | 26.84 | 20.84 | 1.32 | 0.79 | 35.56 | 19.90 | 4.93 |
| 100 | 24.28 | 31.22 | 26.51 | 20.24 | 1.32 | 0.79 | 36.41 | 19.76 | 4.91 |
| 200 | 24.20 | 31.15 | 25.37 | 18.25 | 1.31 | 0.79 | 35.84 | 19.91 | 4.92 |
| 300 | 24.10 | 31.04 | 23.91 | 16.31 | 1.30 | 0.79 | 35.65 | 19.89 | 4.91 |
| 400 | 23.96 | 30.89 | 22.60 | 14.57 | 1.28 | 0.78 | 34.69 | 19.87 | 4.93 |
| 500 | 23.80 | 30.73 | 21.40 | 13.15 | 1.26 | 0.77 | 34.83 | 19.95 | 4.91 |
| 600 | 23.61 | 30.53 | 20.37 | 11.96 | 1.23 | 0.76 | 35.06 | 19.90 | 4.95 |
| 700 | 23.41 | 30.32 | 19.41 | 10.98 | 1.21 | 0.75 | 34.57 | 19.86 | 5.03 |
| 800 | 23.18 | 30.11 | 18.62 | 10.16 | 1.18 | 0.74 | 34.39 | 19.78 | 5.00 |
| 900 | 22.95 | 29.89 | 18.01 | 9.46 | 1.16 | 0.73 | 34.14 | 19.79 | 5.01 |
| 1000 | 22.69 | 29.66 | 17.47 | 8.87 | 1.14 | 0.72 | 33.52 | 19.89 | 5.04 |
| 1250 | 22.04 | 29.11 | 16.46 | 7.77 | 1.10 | 0.69 | 33.36 | 19.69 | 5.09 |
| 1500 | 21.36 | 28.57 | 15.81 | 7.04 | 1.07 | 0.68 | 32.57 | 19.82 | 5.15 |
| 1750 | 20.70 | 28.05 | 15.41 | 6.54 | 1.04 | 0.66 | 32.52 | 19.86 | 5.20 |
| 2000 | 20.05 | 27.54 | 15.19 | 6.23 | 1.03 | 0.65 | 32.45 | 19.95 | 5.20 |
| 2250 | 19.43 | 27.06 | 15.06 | 6.01 | 1.03 | 0.65 | 32.67 | 19.73 | 5.23 |
| 2500 | 18.85 | 26.56 | 15.01 | 5.89 | 1.02 | 0.64 | 33.01 | 19.37 | 5.24 |
| 2750 | 18.29 | 26.09 | 14.98 | 5.84 | 1.03 | 0.64 | 32.06 | 19.80 | 5.31 |
| 3000 | 17.76 | 25.63 | 14.99 | 5.83 | 1.03 | 0.64 | 31.77 | 19.87 | 5.26 |
| 3250 | 17.26 | 25.17 | 14.97 | 5.85 | 1.04 | 0.64 | 31.79 | 19.68 | 5.41 |
| 3500 | 16.75 | 24.75 | 15.05 | 5.87 | 1.05 | 0.65 | 32.13 | 19.36 | 5.35 |
| 3750 | 16.26 | 24.35 | 15.05 | 5.89 | 1.06 | 0.65 | 31.66 | 19.07 | 5.39 |
| 4000 | 15.76 | 23.97 | 15.07 | 5.87 | 1.08 | 0.65 | 30.55 | 19.01 | 5.38 |
| 4250 | 15.28 | 23.62 | 15.12 | 5.88 | 1.09 | 0.65 | 30.48 | 18.91 | 5.50 |
| 4500 | 14.80 | 23.28 | 15.09 | 5.88 | 1.11 | 0.65 | 29.96 | 18.60 | 5.50 |
| 4750 | 14.32 | 22.98 | 14.99 | 5.87 | 1.13 | 0.64 | 29.98 | 18.29 | 5.55 |
| 5000 | 13.83 | 22.68 | 14.75 | 5.85 | 1.16 | 0.64 | 29.39 | 17.97 | 5.66 |
| 5250 | 13.34 | 22.44 | 14.42 | 5.78 | 1.18 | 0.64 | 29.52 | 17.58 | 5.67 |
| 5500 | 12.83 | 22.21 | 14.12 | 5.73 | 1.21 | 0.64 | 29.37 | 17.08 | 5.74 |
| 5750 | 12.33 | 22.01 | 13.76 | 5.65 | 1.24 | 0.64 | 29.01 | 16.76 | 5.82 |
| 6000 | 11.82 | 21.83 | 13.38 | 5.61 | 1.27 | 0.65 | 28.96 | 16.33 | 5.86 |
| 6250 | 11.31 | 21.67 | 13.01 | 5.54 | 1.31 | 0.65 | 28.85 | 15.90 | 5.93 |
| 6500 | 10.81 | 21.52 | 12.58 | 5.47 | 1.34 | 0.65 | 28.23 | 15.61 | 6.04 |
| 6750 | 10.32 | 21.38 | 12.21 | 5.41 | 1.38 | 0.65 | 28.12 | 15.19 | 6.14 |
| 7000 | 9.82 | 21.26 | 11.85 | 5.35 | 1.42 | 0.66 | 27.15 | 14.96 | 6.22 |
| 7250 | 9.34 | 21.13 | 11.52 | 5.32 | 1.46 | 0.66 | 27.39 | 14.54 | 6.28 |
| 7500 | 8.86 | 21.01 | 11.18 | 5.31 | 1.50 | 0.67 | 26.43 | 14.29 | 6.39 |

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 = 5.25V, Id = 123.97mA @ 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) |
| 10 | 24.53 | 31.62 | 23.58 | 24.20 | 1.34 | 0.81 | 38.64 | 21.07 | 5.34 |
| 50 | 24.55 | 31.56 | 23.64 | 23.35 | 1.33 | 0.80 | 40.12 | 21.83 | 5.13 |
| 100 | 24.52 | 31.56 | 23.46 | 22.29 | 1.33 | 0.81 | 41.24 | 21.64 | 5.11 |
| 200 | 24.44 | 31.49 | 22.91 | 19.38 | 1.32 | 0.80 | 39.19 | 21.88 | 5.15 |
| 300 | 24.33 | 31.39 | 22.14 | 16.96 | 1.31 | 0.80 | 40.07 | 21.86 | 5.10 |
| 400 | 24.19 | 31.25 | 21.29 | 14.97 | 1.29 | 0.79 | 38.28 | 21.85 | 5.10 |
| 500 | 24.03 | 31.08 | 20.46 | 13.41 | 1.27 | 0.78 | 38.76 | 21.94 | 5.11 |
| 600 | 23.84 | 30.90 | 19.69 | 12.13 | 1.25 | 0.77 | 38.33 | 21.92 | 5.15 |
| 700 | 23.62 | 30.69 | 18.91 | 11.11 | 1.23 | 0.76 | 37.33 | 21.91 | 5.21 |
| 800 | 23.40 | 30.48 | 18.28 | 10.26 | 1.20 | 0.74 | 37.17 | 21.85 | 5.17 |
| 900 | 23.16 | 30.26 | 17.77 | 9.53 | 1.18 | 0.73 | 37.14 | 21.81 | 5.21 |
| 1000 | 22.90 | 30.04 | 17.29 | 8.93 | 1.16 | 0.72 | 36.31 | 21.90 | 5.23 |
| 1250 | 22.23 | 29.49 | 16.41 | 7.81 | 1.12 | 0.70 | 36.01 | 21.78 | 5.27 |
| 1500 | 21.54 | 28.94 | 15.86 | 7.07 | 1.09 | 0.68 | 35.03 | 21.81 | 5.34 |
| 1750 | 20.87 | 28.42 | 15.50 | 6.57 | 1.07 | 0.66 | 35.10 | 21.87 | 5.40 |
| 2000 | 20.21 | 27.90 | 15.33 | 6.25 | 1.06 | 0.65 | 34.91 | 22.08 | 5.41 |
| 2250 | 19.58 | 27.40 | 15.24 | 6.03 | 1.05 | 0.64 | 35.08 | 21.93 | 5.45 |
| 2500 | 18.99 | 26.89 | 15.22 | 5.91 | 1.05 | 0.64 | 35.23 | 21.64 | 5.44 |
| 2750 | 18.43 | 26.40 | 15.22 | 5.85 | 1.05 | 0.64 | 33.86 | 21.49 | 5.50 |
| 3000 | 17.89 | 25.91 | 15.24 | 5.83 | 1.06 | 0.64 | 33.58 | 21.58 | 5.49 |
| 3250 | 17.39 | 25.45 | 15.22 | 5.84 | 1.06 | 0.64 | 33.53 | 21.31 | 5.61 |
| 3500 | 16.88 | 25.00 | 15.31 | 5.86 | 1.07 | 0.64 | 33.84 | 21.03 | 5.60 |
| 3750 | 16.39 | 24.59 | 15.31 | 5.86 | 1.08 | 0.64 | 33.38 | 20.59 | 5.59 |
| 4000 | 15.89 | 24.19 | 15.33 | 5.84 | 1.09 | 0.64 | 31.94 | 20.35 | 5.60 |
| 4250 | 15.42 | 23.83 | 15.35 | 5.83 | 1.10 | 0.64 | 32.24 | 20.24 | 5.75 |
| 4500 | 14.94 | 23.47 | 15.30 | 5.81 | 1.12 | 0.64 | 31.44 | 19.83 | 5.75 |
| 4750 | 14.46 | 23.16 | 15.18 | 5.79 | 1.14 | 0.64 | 31.44 | 19.52 | 5.77 |
| 5000 | 13.98 | 22.84 | 14.91 | 5.74 | 1.16 | 0.63 | 30.94 | 19.13 | 5.88 |
| 5250 | 13.49 | 22.58 | 14.57 | 5.66 | 1.18 | 0.63 | 30.84 | 18.73 | 5.94 |
| 5500 | 12.99 | 22.35 | 14.22 | 5.59 | 1.20 | 0.63 | 30.86 | 18.24 | 5.98 |
| 5750 | 12.50 | 22.13 | 13.84 | 5.50 | 1.22 | 0.63 | 30.41 | 17.89 | 6.05 |
| 6000 | 12.00 | 21.94 | 13.45 | 5.43 | 1.25 | 0.63 | 30.35 | 17.46 | 6.12 |
| 6250 | 11.50 | 21.77 | 13.04 | 5.36 | 1.28 | 0.63 | 30.15 | 17.04 | 6.25 |
| 6500 | 11.01 | 21.60 | 12.61 | 5.26 | 1.31 | 0.63 | 29.66 | 16.71 | 6.33 |
| 6750 | 10.52 | 21.46 | 12.23 | 5.19 | 1.34 | 0.63 | 29.57 | 16.30 | 6.44 |
| 7000 | 10.03 | 21.33 | 11.85 | 5.12 | 1.38 | 0.63 | 28.55 | 16.01 | 6.49 |
| 7250 | 9.55 | 21.19 | 11.51 | 5.08 | 1.41 | 0.64 | 28.87 | 15.60 | 6.57 |
| 7500 | 9.08 | 21.07 | 11.16 | 5.04 | 1.45 | 0.65 | 27.84 | 15.35 | 6.69 |

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 = 5.00V, Id = 104.49mA @ 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) |
| 10 | 24.55 | 31.68 | 24.21 | 23.65 | 1.34 | 0.81 | 41.08 | 20.20 | 4.63 |
| 50 | 24.56 | 31.59 | 24.05 | 22.62 | 1.33 | 0.80 | 38.54 | 20.79 | 4.46 |
| 100 | 24.54 | 31.58 | 24.13 | 21.49 | 1.33 | 0.80 | 40.34 | 20.67 | 4.44 |
| 200 | 24.47 | 31.50 | 23.73 | 18.86 | 1.32 | 0.80 | 38.14 | 20.85 | 4.44 |
| 300 | 24.36 | 31.37 | 22.43 | 16.79 | 1.31 | 0.79 | 40.06 | 20.84 | 4.43 |
| 400 | 24.23 | 31.22 | 21.24 | 15.00 | 1.29 | 0.79 | 37.18 | 20.82 | 4.42 |
| 500 | 24.07 | 31.04 | 20.43 | 13.43 | 1.26 | 0.78 | 37.01 | 20.90 | 4.42 |
| 600 | 23.89 | 30.84 | 19.67 | 12.12 | 1.24 | 0.76 | 36.85 | 20.87 | 4.42 |
| 700 | 23.68 | 30.63 | 18.77 | 11.09 | 1.22 | 0.75 | 37.17 | 20.84 | 4.53 |
| 800 | 23.46 | 30.41 | 18.02 | 10.29 | 1.19 | 0.74 | 35.95 | 20.76 | 4.46 |
| 900 | 23.24 | 30.18 | 17.54 | 9.59 | 1.17 | 0.73 | 35.96 | 20.76 | 4.52 |
| 1000 | 22.99 | 29.95 | 17.11 | 8.95 | 1.15 | 0.72 | 35.08 | 20.86 | 4.54 |
| 1250 | 22.33 | 29.40 | 16.17 | 7.77 | 1.10 | 0.69 | 34.94 | 20.65 | 4.56 |
| 1500 | 21.69 | 28.83 | 15.69 | 7.07 | 1.07 | 0.67 | 34.20 | 20.81 | 4.61 |
| 1750 | 21.03 | 28.32 | 15.28 | 6.50 | 1.05 | 0.65 | 34.07 | 20.87 | 4.69 |
| 2000 | 20.39 | 27.80 | 15.10 | 6.18 | 1.04 | 0.64 | 34.01 | 20.93 | 4.67 |
| 2250 | 19.78 | 27.32 | 15.04 | 5.93 | 1.03 | 0.63 | 34.50 | 20.67 | 4.74 |
| 2500 | 19.23 | 26.81 | 14.96 | 5.85 | 1.02 | 0.62 | 34.75 | 20.42 | 4.72 |
| 2750 | 18.66 | 26.34 | 15.08 | 5.69 | 1.02 | 0.62 | 33.30 | 20.81 | 4.75 |
| 3000 | 18.17 | 25.86 | 15.22 | 5.73 | 1.03 | 0.62 | 33.04 | 20.93 | 4.75 |
| 3250 | 17.69 | 25.40 | 15.39 | 5.68 | 1.03 | 0.61 | 33.03 | 20.77 | 4.89 |
| 3500 | 17.23 | 24.93 | 15.55 | 5.72 | 1.03 | 0.61 | 33.57 | 20.50 | 4.81 |
| 3750 | 16.77 | 24.52 | 15.53 | 5.65 | 1.04 | 0.61 | 32.81 | 20.12 | 4.86 |
| 4000 | 16.30 | 24.14 | 15.82 | 5.59 | 1.05 | 0.60 | 31.83 | 20.16 | 4.82 |
| 4250 | 15.86 | 23.75 | 15.70 | 5.52 | 1.05 | 0.59 | 31.99 | 20.14 | 4.98 |
| 4500 | 15.41 | 23.40 | 15.64 | 5.48 | 1.06 | 0.59 | 31.39 | 19.84 | 4.96 |
| 4750 | 14.95 | 23.10 | 15.39 | 5.40 | 1.07 | 0.58 | 31.43 | 19.58 | 5.00 |
| 5000 | 14.49 | 22.79 | 15.14 | 5.30 | 1.08 | 0.58 | 30.88 | 19.24 | 5.09 |
| 5250 | 14.02 | 22.53 | 14.71 | 5.20 | 1.10 | 0.57 | 31.01 | 18.89 | 5.14 |
| 5500 | 13.56 | 22.29 | 14.31 | 5.15 | 1.12 | 0.57 | 30.86 | 18.38 | 5.17 |
| 5750 | 13.11 | 22.04 | 13.89 | 5.07 | 1.13 | 0.57 | 30.56 | 18.09 | 5.27 |
| 6000 | 12.66 | 21.82 | 13.58 | 5.07 | 1.15 | 0.58 | 30.68 | 17.69 | 5.31 |
| 6250 | 12.21 | 21.61 | 13.23 | 5.02 | 1.17 | 0.58 | 30.56 | 17.27 | 5.41 |
| 6500 | 11.76 | 21.43 | 12.82 | 4.96 | 1.19 | 0.58 | 29.96 | 16.99 | 5.46 |
| 6750 | 11.32 | 21.24 | 12.49 | 4.89 | 1.21 | 0.58 | 30.05 | 16.57 | 5.56 |
| 7000 | 10.85 | 21.11 | 12.23 | 4.79 | 1.24 | 0.58 | 28.94 | 16.33 | 5.59 |
| 7250 | 10.39 | 20.96 | 11.85 | 4.67 | 1.26 | 0.57 | 29.07 | 15.88 | 5.66 |
| 7500 | 9.93 | 20.86 | 11.40 | 4.57 | 1.28 | 0.57 | 28.27 | 15.61 | 5.76 |

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 = 4.75V, Id = 91.75mA @ 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) |
| 10 | 24.44 | 31.48 | 25.76 | 22.19 | 1.33 | 0.80 | 43.65 | 19.26 | 4.51 |
| 50 | 24.44 | 31.42 | 25.58 | 21.36 | 1.32 | 0.80 | 36.09 | 19.72 | 4.37 |
| 100 | 24.42 | 31.40 | 25.71 | 20.49 | 1.32 | 0.80 | 37.62 | 19.64 | 4.34 |
| 200 | 24.34 | 31.32 | 25.07 | 18.29 | 1.31 | 0.79 | 36.28 | 19.75 | 4.36 |
| 300 | 24.24 | 31.20 | 23.40 | 16.46 | 1.30 | 0.79 | 35.69 | 19.73 | 4.30 |
| 400 | 24.11 | 31.04 | 21.90 | 14.80 | 1.28 | 0.78 | 35.40 | 19.69 | 4.35 |
| 500 | 23.96 | 30.86 | 20.93 | 13.31 | 1.26 | 0.77 | 34.96 | 19.77 | 4.28 |
| 600 | 23.78 | 30.66 | 20.07 | 12.04 | 1.23 | 0.76 | 35.06 | 19.71 | 4.35 |
| 700 | 23.57 | 30.44 | 19.07 | 11.04 | 1.21 | 0.75 | 34.49 | 19.64 | 4.42 |
| 800 | 23.36 | 30.22 | 18.25 | 10.25 | 1.18 | 0.74 | 34.59 | 19.54 | 4.40 |
| 900 | 23.13 | 29.98 | 17.69 | 9.55 | 1.16 | 0.73 | 34.47 | 19.58 | 4.44 |
| 1000 | 22.89 | 29.75 | 17.25 | 8.93 | 1.14 | 0.71 | 33.45 | 19.69 | 4.45 |
| 1250 | 22.24 | 29.21 | 16.22 | 7.75 | 1.09 | 0.69 | 33.44 | 19.45 | 4.47 |
| 1500 | 21.61 | 28.64 | 15.70 | 7.06 | 1.06 | 0.67 | 32.88 | 19.66 | 4.55 |
| 1750 | 20.95 | 28.13 | 15.28 | 6.49 | 1.04 | 0.65 | 32.75 | 19.67 | 4.70 |
| 2000 | 20.32 | 27.63 | 15.07 | 6.17 | 1.02 | 0.64 | 32.68 | 19.67 | 4.60 |
| 2250 | 19.71 | 27.15 | 15.00 | 5.92 | 1.02 | 0.63 | 32.89 | 19.35 | 4.64 |
| 2500 | 19.16 | 26.65 | 14.89 | 5.84 | 1.01 | 0.62 | 33.42 | 19.08 | 4.60 |
| 2750 | 18.60 | 26.20 | 14.99 | 5.69 | 1.01 | 0.62 | 32.01 | 19.78 | 4.68 |
| 3000 | 18.11 | 25.72 | 15.12 | 5.72 | 1.01 | 0.62 | 32.11 | 19.82 | 4.66 |
| 3250 | 17.63 | 25.27 | 15.27 | 5.68 | 1.02 | 0.61 | 32.12 | 19.74 | 4.80 |
| 3500 | 17.18 | 24.81 | 15.46 | 5.72 | 1.02 | 0.61 | 32.49 | 19.45 | 4.72 |
| 3750 | 16.71 | 24.40 | 15.41 | 5.65 | 1.03 | 0.61 | 31.96 | 19.25 | 4.74 |
| 4000 | 16.24 | 24.04 | 15.71 | 5.61 | 1.04 | 0.60 | 30.81 | 19.33 | 4.71 |
| 4250 | 15.80 | 23.65 | 15.59 | 5.53 | 1.04 | 0.59 | 30.93 | 19.29 | 4.87 |
| 4500 | 15.35 | 23.31 | 15.54 | 5.51 | 1.06 | 0.59 | 30.45 | 19.05 | 4.87 |
| 4750 | 14.88 | 23.01 | 15.31 | 5.43 | 1.07 | 0.59 | 30.53 | 18.76 | 4.88 |
| 5000 | 14.42 | 22.72 | 15.08 | 5.34 | 1.08 | 0.58 | 29.94 | 18.51 | 5.01 |
| 5250 | 13.95 | 22.46 | 14.65 | 5.24 | 1.10 | 0.58 | 30.01 | 18.14 | 5.03 |
| 5500 | 13.49 | 22.22 | 14.27 | 5.21 | 1.12 | 0.58 | 29.96 | 17.62 | 5.04 |
| 5750 | 13.03 | 21.99 | 13.87 | 5.13 | 1.13 | 0.58 | 29.69 | 17.36 | 5.14 |
| 6000 | 12.58 | 21.77 | 13.57 | 5.14 | 1.16 | 0.58 | 29.65 | 16.95 | 5.16 |
| 6250 | 12.13 | 21.56 | 13.21 | 5.10 | 1.18 | 0.59 | 29.58 | 16.51 | 5.28 |
| 6500 | 11.67 | 21.38 | 12.82 | 5.05 | 1.20 | 0.59 | 28.95 | 16.27 | 5.37 |
| 6750 | 11.22 | 21.21 | 12.51 | 4.99 | 1.23 | 0.59 | 28.83 | 15.84 | 5.46 |
| 7000 | 10.75 | 21.08 | 12.22 | 4.89 | 1.25 | 0.59 | 27.91 | 15.66 | 5.49 |
| 7250 | 10.29 | 20.94 | 11.87 | 4.78 | 1.28 | 0.59 | 28.09 | 15.19 | 5.51 |
| 7500 | 9.82 | 20.83 | 11.41 | 4.68 | 1.30 | 0.59 | 27.30 | 14.97 | 5.63 |

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 = 5.25V, Id = 117.81mA @ 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) |
| 10 | 24.64 | 31.81 | 22.99 | 24.91 | 1.35 | 0.81 | 41.10 | 21.03 | 4.69 |
| 50 | 24.65 | 31.73 | 23.00 | 23.66 | 1.34 | 0.81 | 40.37 | 21.72 | 4.53 |
| 100 | 24.63 | 31.71 | 23.09 | 22.29 | 1.33 | 0.81 | 43.29 | 21.56 | 4.50 |
| 200 | 24.56 | 31.64 | 22.87 | 19.26 | 1.33 | 0.80 | 41.08 | 21.79 | 4.54 |
| 300 | 24.45 | 31.51 | 21.74 | 17.02 | 1.31 | 0.80 | 40.64 | 21.78 | 4.50 |
| 400 | 24.32 | 31.36 | 20.73 | 15.14 | 1.29 | 0.79 | 40.08 | 21.77 | 4.50 |
| 500 | 24.16 | 31.18 | 20.05 | 13.53 | 1.27 | 0.78 | 39.11 | 21.85 | 4.53 |
| 600 | 23.97 | 30.99 | 19.36 | 12.18 | 1.25 | 0.77 | 38.50 | 21.84 | 4.53 |
| 700 | 23.77 | 30.78 | 18.52 | 11.14 | 1.22 | 0.75 | 38.22 | 21.80 | 4.58 |
| 800 | 23.55 | 30.56 | 17.85 | 10.33 | 1.20 | 0.74 | 37.39 | 21.75 | 4.57 |
| 900 | 23.32 | 30.33 | 17.40 | 9.62 | 1.18 | 0.73 | 37.31 | 21.73 | 4.59 |
| 1000 | 23.07 | 30.10 | 17.01 | 8.98 | 1.16 | 0.72 | 36.27 | 21.83 | 4.62 |
| 1250 | 22.41 | 29.55 | 16.10 | 7.79 | 1.11 | 0.69 | 36.38 | 21.64 | 4.65 |
| 1500 | 21.76 | 28.99 | 15.66 | 7.09 | 1.08 | 0.67 | 35.25 | 21.79 | 4.71 |
| 1750 | 21.10 | 28.46 | 15.28 | 6.52 | 1.06 | 0.65 | 34.99 | 21.79 | 4.78 |
| 2000 | 20.46 | 27.95 | 15.13 | 6.20 | 1.05 | 0.64 | 35.08 | 21.98 | 4.74 |
| 2250 | 19.84 | 27.45 | 15.08 | 5.95 | 1.04 | 0.63 | 35.25 | 21.77 | 4.82 |
| 2500 | 19.29 | 26.93 | 15.00 | 5.86 | 1.03 | 0.62 | 35.84 | 21.53 | 4.81 |
| 2750 | 18.72 | 26.47 | 15.13 | 5.71 | 1.03 | 0.61 | 34.20 | 21.63 | 4.85 |
| 3000 | 18.23 | 25.97 | 15.28 | 5.74 | 1.03 | 0.62 | 34.14 | 21.79 | 4.83 |
| 3250 | 17.75 | 25.51 | 15.46 | 5.69 | 1.04 | 0.61 | 34.08 | 21.57 | 4.95 |
| 3500 | 17.29 | 25.03 | 15.65 | 5.72 | 1.04 | 0.61 | 34.45 | 21.31 | 4.89 |
| 3750 | 16.82 | 24.62 | 15.62 | 5.65 | 1.04 | 0.60 | 33.73 | 20.89 | 4.92 |
| 4000 | 16.35 | 24.24 | 15.91 | 5.59 | 1.05 | 0.60 | 32.66 | 20.82 | 4.90 |
| 4250 | 15.92 | 23.83 | 15.77 | 5.51 | 1.05 | 0.59 | 32.67 | 20.80 | 5.03 |
| 4500 | 15.47 | 23.48 | 15.68 | 5.47 | 1.06 | 0.59 | 32.20 | 20.44 | 5.08 |
| 4750 | 15.01 | 23.17 | 15.43 | 5.38 | 1.08 | 0.58 | 32.24 | 20.19 | 5.10 |
| 5000 | 14.55 | 22.86 | 15.18 | 5.28 | 1.09 | 0.57 | 31.66 | 19.81 | 5.20 |
| 5250 | 14.09 | 22.60 | 14.72 | 5.17 | 1.10 | 0.57 | 31.82 | 19.45 | 5.20 |
| 5500 | 13.63 | 22.34 | 14.33 | 5.11 | 1.11 | 0.57 | 31.71 | 18.96 | 5.26 |
| 5750 | 13.18 | 22.10 | 13.90 | 5.02 | 1.12 | 0.57 | 31.34 | 18.65 | 5.35 |
| 6000 | 12.74 | 21.87 | 13.59 | 5.01 | 1.14 | 0.57 | 31.57 | 18.25 | 5.41 |
| 6250 | 12.29 | 21.65 | 13.23 | 4.96 | 1.16 | 0.57 | 31.43 | 17.84 | 5.49 |
| 6500 | 11.85 | 21.46 | 12.81 | 4.89 | 1.18 | 0.57 | 30.87 | 17.54 | 5.60 |
| 6750 | 11.41 | 21.28 | 12.48 | 4.82 | 1.20 | 0.57 | 30.80 | 17.13 | 5.66 |
| 7000 | 10.94 | 21.14 | 12.21 | 4.71 | 1.22 | 0.57 | 29.77 | 16.85 | 5.72 |
| 7250 | 10.49 | 20.99 | 11.84 | 4.59 | 1.24 | 0.56 | 30.05 | 16.40 | 5.75 |
| 7500 | 10.02 | 20.88 | 11.37 | 4.47 | 1.27 | 0.56 | 29.13 | 16.11 | 5.86 |

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 = 5.00V, Id = 114.59mA @ 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) |
| 10 | 24.33 | 31.32 | 25.69 | 22.30 | 1.33 | 0.80 | 36.43 | 20.31 | 5.78 |
| 50 | 24.34 | 31.26 | 25.55 | 21.89 | 1.32 | 0.80 | 37.57 | 21.03 | 5.59 |
| 100 | 24.31 | 31.26 | 24.84 | 21.41 | 1.32 | 0.80 | 38.37 | 20.84 | 5.56 |
| 200 | 24.23 | 31.20 | 23.23 | 19.12 | 1.31 | 0.80 | 38.08 | 21.04 | 5.61 |
| 300 | 24.11 | 31.10 | 22.42 | 16.59 | 1.30 | 0.79 | 37.34 | 21.03 | 5.47 |
| 400 | 23.96 | 30.97 | 21.99 | 14.49 | 1.28 | 0.78 | 37.68 | 21.02 | 5.53 |
| 500 | 23.79 | 30.81 | 21.17 | 12.97 | 1.26 | 0.77 | 37.52 | 21.10 | 5.57 |
| 600 | 23.59 | 30.63 | 20.12 | 11.81 | 1.24 | 0.76 | 36.99 | 21.08 | 5.56 |
| 700 | 23.36 | 30.42 | 19.16 | 10.87 | 1.22 | 0.75 | 36.91 | 21.05 | 5.66 |
| 800 | 23.13 | 30.22 | 18.51 | 10.05 | 1.20 | 0.74 | 36.38 | 20.99 | 5.60 |
| 900 | 22.88 | 30.00 | 17.99 | 9.35 | 1.17 | 0.73 | 36.14 | 20.97 | 5.65 |
| 1000 | 22.62 | 29.77 | 17.50 | 8.79 | 1.15 | 0.72 | 35.42 | 21.07 | 5.64 |
| 1250 | 21.94 | 29.21 | 16.57 | 7.75 | 1.11 | 0.70 | 35.34 | 20.95 | 5.71 |
| 1500 | 21.25 | 28.65 | 15.93 | 7.07 | 1.08 | 0.69 | 34.11 | 21.00 | 5.78 |
| 1750 | 20.56 | 28.11 | 15.53 | 6.59 | 1.06 | 0.67 | 34.17 | 21.06 | 5.89 |
| 2000 | 19.88 | 27.59 | 15.29 | 6.28 | 1.05 | 0.66 | 33.91 | 21.22 | 5.86 |
| 2250 | 19.22 | 27.09 | 15.13 | 6.07 | 1.05 | 0.66 | 34.07 | 21.05 | 5.94 |
| 2500 | 18.60 | 26.60 | 14.97 | 5.96 | 1.05 | 0.66 | 34.28 | 20.73 | 5.91 |
| 2750 | 18.00 | 26.12 | 14.86 | 5.92 | 1.06 | 0.66 | 32.95 | 20.55 | 5.98 |
| 3000 | 17.42 | 25.66 | 14.81 | 5.93 | 1.07 | 0.66 | 32.65 | 20.58 | 5.98 |
| 3250 | 16.86 | 25.22 | 14.72 | 5.97 | 1.08 | 0.67 | 32.43 | 20.26 | 6.13 |
| 3500 | 16.30 | 24.81 | 14.73 | 6.00 | 1.10 | 0.67 | 32.59 | 19.92 | 6.07 |
| 3750 | 15.75 | 24.42 | 14.69 | 6.04 | 1.12 | 0.68 | 31.90 | 19.47 | 6.15 |
| 4000 | 15.20 | 24.07 | 14.74 | 6.07 | 1.15 | 0.68 | 30.72 | 19.19 | 6.16 |
| 4250 | 14.68 | 23.71 | 14.73 | 6.11 | 1.17 | 0.68 | 30.44 | 18.97 | 6.29 |
| 4500 | 14.16 | 23.38 | 14.71 | 6.19 | 1.20 | 0.69 | 29.89 | 18.57 | 6.29 |
| 4750 | 13.64 | 23.08 | 14.62 | 6.26 | 1.23 | 0.69 | 29.69 | 18.20 | 6.37 |
| 5000 | 13.13 | 22.78 | 14.43 | 6.31 | 1.27 | 0.70 | 29.16 | 17.84 | 6.47 |
| 5250 | 12.61 | 22.53 | 14.16 | 6.30 | 1.30 | 0.70 | 29.09 | 17.40 | 6.51 |
| 5500 | 12.08 | 22.31 | 13.87 | 6.26 | 1.34 | 0.70 | 28.89 | 16.95 | 6.55 |
| 5750 | 11.54 | 22.12 | 13.53 | 6.16 | 1.38 | 0.70 | 28.47 | 16.59 | 6.69 |
| 6000 | 10.99 | 21.95 | 13.16 | 6.04 | 1.42 | 0.70 | 28.28 | 16.14 | 6.76 |
| 6250 | 10.43 | 21.81 | 12.70 | 5.91 | 1.46 | 0.70 | 28.04 | 15.72 | 6.87 |
| 6500 | 9.89 | 21.70 | 12.25 | 5.81 | 1.51 | 0.70 | 27.58 | 15.40 | 6.97 |
| 6750 | 9.35 | 21.57 | 11.74 | 5.72 | 1.56 | 0.70 | 27.44 | 15.01 | 7.10 |
| 7000 | 8.82 | 21.47 | 11.29 | 5.68 | 1.61 | 0.71 | 26.56 | 14.75 | 7.18 |
| 7250 | 8.32 | 21.35 | 10.89 | 5.68 | 1.66 | 0.72 | 26.75 | 14.33 | 7.28 |
| 7500 | 7.83 | 21.23 | 10.52 | 5.73 | 1.71 | 0.73 | 25.80 | 14.12 | 7.43 |

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 = 4.75V, Id = 99.40mA @ 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) |
| 10 | 24.18 | 31.11 | 28.02 | 20.80 | 1.32 | 0.79 | 35.17 | 19.42 | 5.69 |
| 50 | 24.18 | 31.07 | 27.82 | 20.46 | 1.32 | 0.79 | 36.05 | 20.04 | 5.46 |
| 100 | 24.16 | 31.06 | 26.85 | 20.18 | 1.32 | 0.79 | 37.25 | 19.86 | 5.41 |
| 200 | 24.08 | 31.00 | 24.54 | 18.44 | 1.31 | 0.79 | 35.77 | 20.03 | 5.45 |
| 300 | 23.96 | 30.90 | 23.40 | 16.22 | 1.29 | 0.79 | 35.64 | 20.00 | 5.39 |
| 400 | 23.82 | 30.76 | 22.66 | 14.26 | 1.28 | 0.78 | 35.74 | 19.99 | 5.42 |
| 500 | 23.65 | 30.60 | 21.66 | 12.82 | 1.26 | 0.77 | 35.34 | 20.07 | 5.47 |
| 600 | 23.45 | 30.41 | 20.44 | 11.71 | 1.23 | 0.76 | 35.42 | 20.03 | 5.44 |
| 700 | 23.23 | 30.21 | 19.34 | 10.80 | 1.21 | 0.75 | 35.02 | 20.00 | 5.52 |
| 800 | 23.00 | 29.99 | 18.61 | 10.00 | 1.18 | 0.74 | 34.70 | 19.92 | 5.49 |
| 900 | 22.76 | 29.77 | 18.03 | 9.32 | 1.16 | 0.73 | 34.47 | 19.93 | 5.53 |
| 1000 | 22.50 | 29.55 | 17.50 | 8.76 | 1.14 | 0.72 | 34.05 | 20.02 | 5.55 |
| 1250 | 21.83 | 28.98 | 16.51 | 7.74 | 1.10 | 0.70 | 33.64 | 19.84 | 5.60 |
| 1500 | 21.15 | 28.43 | 15.84 | 7.06 | 1.06 | 0.69 | 33.15 | 19.97 | 5.68 |
| 1750 | 20.47 | 27.90 | 15.42 | 6.58 | 1.04 | 0.67 | 32.68 | 20.02 | 5.75 |
| 2000 | 19.80 | 27.39 | 15.15 | 6.27 | 1.03 | 0.66 | 32.60 | 20.12 | 5.71 |
| 2250 | 19.15 | 26.89 | 14.97 | 6.07 | 1.03 | 0.66 | 32.77 | 19.95 | 5.79 |
| 2500 | 18.52 | 26.41 | 14.80 | 5.96 | 1.03 | 0.66 | 33.12 | 19.60 | 5.81 |
| 2750 | 17.93 | 25.94 | 14.70 | 5.92 | 1.04 | 0.66 | 31.89 | 19.71 | 5.84 |
| 3000 | 17.35 | 25.49 | 14.63 | 5.94 | 1.05 | 0.67 | 31.61 | 19.74 | 5.85 |
| 3250 | 16.80 | 25.06 | 14.56 | 5.98 | 1.07 | 0.67 | 31.48 | 19.46 | 6.02 |
| 3500 | 16.24 | 24.66 | 14.57 | 6.02 | 1.09 | 0.67 | 31.65 | 19.11 | 5.93 |
| 3750 | 15.69 | 24.28 | 14.54 | 6.06 | 1.11 | 0.68 | 31.10 | 18.72 | 6.00 |
| 4000 | 15.14 | 23.94 | 14.59 | 6.11 | 1.14 | 0.68 | 30.06 | 18.53 | 6.04 |
| 4250 | 14.62 | 23.59 | 14.59 | 6.16 | 1.16 | 0.69 | 29.83 | 18.33 | 6.13 |
| 4500 | 14.09 | 23.27 | 14.60 | 6.24 | 1.20 | 0.69 | 29.19 | 17.97 | 6.15 |
| 4750 | 13.58 | 22.98 | 14.50 | 6.32 | 1.23 | 0.70 | 29.13 | 17.61 | 6.21 |
| 5000 | 13.06 | 22.69 | 14.32 | 6.39 | 1.27 | 0.70 | 28.61 | 17.26 | 6.28 |
| 5250 | 12.54 | 22.45 | 14.07 | 6.39 | 1.30 | 0.71 | 28.43 | 16.84 | 6.34 |
| 5500 | 12.00 | 22.24 | 13.80 | 6.36 | 1.35 | 0.71 | 28.36 | 16.39 | 6.41 |
| 5750 | 11.47 | 22.05 | 13.47 | 6.26 | 1.38 | 0.71 | 27.85 | 16.02 | 6.49 |
| 6000 | 10.91 | 21.90 | 13.11 | 6.15 | 1.43 | 0.71 | 27.75 | 15.59 | 6.57 |
| 6250 | 10.35 | 21.76 | 12.67 | 6.03 | 1.48 | 0.71 | 27.54 | 15.16 | 6.68 |
| 6500 | 9.81 | 21.65 | 12.24 | 5.94 | 1.53 | 0.71 | 26.93 | 14.86 | 6.76 |
| 6750 | 9.26 | 21.54 | 11.73 | 5.85 | 1.58 | 0.71 | 26.84 | 14.46 | 6.89 |
| 7000 | 8.73 | 21.43 | 11.28 | 5.82 | 1.63 | 0.72 | 25.95 | 14.24 | 6.94 |
| 7250 | 8.23 | 21.32 | 10.90 | 5.83 | 1.68 | 0.73 | 26.18 | 13.83 | 7.08 |
| 7500 | 7.74 | 21.21 | 10.52 | 5.88 | 1.74 | 0.75 | 25.25 | 13.53 | 7.21 |

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 = 5.25V, Id = 132.14mA @ 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) |
| 10 | 24.44 | 31.48 | 24.16 | 23.68 | 1.33 | 0.81 | 38.97 | 21.17 | 5.86 |
| 50 | 24.45 | 31.43 | 24.01 | 23.23 | 1.33 | 0.80 | 40.00 | 21.99 | 5.70 |
| 100 | 24.42 | 31.43 | 23.43 | 22.50 | 1.33 | 0.80 | 42.43 | 21.76 | 5.67 |
| 200 | 24.34 | 31.37 | 22.16 | 19.66 | 1.32 | 0.80 | 41.86 | 22.00 | 5.67 |
| 300 | 24.22 | 31.28 | 21.60 | 16.87 | 1.31 | 0.80 | 41.91 | 21.97 | 5.60 |
| 400 | 24.07 | 31.14 | 21.38 | 14.66 | 1.29 | 0.79 | 39.64 | 21.95 | 5.66 |
| 500 | 23.89 | 30.99 | 20.72 | 13.09 | 1.27 | 0.78 | 39.27 | 22.03 | 5.68 |
| 600 | 23.69 | 30.81 | 19.81 | 11.89 | 1.25 | 0.77 | 39.28 | 22.02 | 5.68 |
| 700 | 23.47 | 30.61 | 18.96 | 10.92 | 1.23 | 0.76 | 38.42 | 22.01 | 5.77 |
| 800 | 23.23 | 30.40 | 18.37 | 10.09 | 1.21 | 0.75 | 37.76 | 21.95 | 5.72 |
| 900 | 22.98 | 30.19 | 17.92 | 9.38 | 1.18 | 0.74 | 37.91 | 21.91 | 5.78 |
| 1000 | 22.71 | 29.96 | 17.46 | 8.82 | 1.16 | 0.73 | 37.05 | 21.98 | 5.82 |
| 1250 | 22.03 | 29.39 | 16.59 | 7.77 | 1.12 | 0.70 | 36.94 | 21.90 | 5.84 |
| 1500 | 21.33 | 28.84 | 16.01 | 7.09 | 1.09 | 0.69 | 35.62 | 21.87 | 5.90 |
| 1750 | 20.64 | 28.29 | 15.62 | 6.60 | 1.07 | 0.67 | 35.14 | 21.92 | 6.00 |
| 2000 | 19.95 | 27.76 | 15.40 | 6.29 | 1.06 | 0.66 | 35.13 | 22.12 | 5.94 |
| 2250 | 19.29 | 27.25 | 15.22 | 6.08 | 1.06 | 0.66 | 34.54 | 22.01 | 6.03 |
| 2500 | 18.66 | 26.75 | 15.07 | 5.97 | 1.06 | 0.66 | 34.83 | 21.72 | 6.07 |
| 2750 | 18.05 | 26.26 | 14.97 | 5.92 | 1.07 | 0.66 | 33.65 | 21.28 | 6.11 |
| 3000 | 17.47 | 25.79 | 14.91 | 5.93 | 1.08 | 0.66 | 33.31 | 21.28 | 6.10 |
| 3250 | 16.91 | 25.35 | 14.83 | 5.97 | 1.09 | 0.67 | 32.89 | 20.93 | 6.25 |
| 3500 | 16.34 | 24.92 | 14.83 | 6.00 | 1.11 | 0.67 | 32.97 | 20.59 | 6.18 |
| 3750 | 15.79 | 24.53 | 14.80 | 6.03 | 1.13 | 0.67 | 32.29 | 20.08 | 6.26 |
| 4000 | 15.24 | 24.17 | 14.83 | 6.06 | 1.16 | 0.68 | 31.30 | 19.74 | 6.24 |
| 4250 | 14.72 | 23.80 | 14.80 | 6.10 | 1.18 | 0.68 | 31.00 | 19.49 | 6.42 |
| 4500 | 14.20 | 23.47 | 14.80 | 6.16 | 1.21 | 0.69 | 30.33 | 19.07 | 6.46 |
| 4750 | 13.68 | 23.16 | 14.68 | 6.23 | 1.24 | 0.69 | 30.11 | 18.68 | 6.49 |
| 5000 | 13.17 | 22.85 | 14.48 | 6.28 | 1.27 | 0.69 | 29.58 | 18.31 | 6.61 |
| 5250 | 12.65 | 22.59 | 14.20 | 6.26 | 1.30 | 0.70 | 29.44 | 17.87 | 6.67 |
| 5500 | 12.12 | 22.37 | 13.90 | 6.21 | 1.34 | 0.70 | 29.33 | 17.42 | 6.71 |
| 5750 | 11.59 | 22.17 | 13.53 | 6.10 | 1.38 | 0.70 | 28.86 | 17.04 | 6.85 |
| 6000 | 11.04 | 22.00 | 13.17 | 5.99 | 1.42 | 0.69 | 28.63 | 16.60 | 6.90 |
| 6250 | 10.48 | 21.85 | 12.69 | 5.85 | 1.46 | 0.69 | 28.43 | 16.17 | 7.05 |
| 6500 | 9.94 | 21.73 | 12.23 | 5.75 | 1.50 | 0.69 | 27.93 | 15.85 | 7.14 |
| 6750 | 9.40 | 21.61 | 11.73 | 5.65 | 1.55 | 0.70 | 27.80 | 15.41 | 7.28 |
| 7000 | 8.87 | 21.49 | 11.27 | 5.61 | 1.60 | 0.70 | 26.95 | 15.19 | 7.37 |
| 7250 | 8.37 | 21.37 | 10.88 | 5.60 | 1.65 | 0.71 | 27.09 | 14.83 | 7.47 |
| 7500 | 7.88 | 21.25 | 10.50 | 5.64 | 1.70 | 0.73 | 26.21 | 14.56 | 7.62 |