## Typical Performance Data

| RF FREQ (MHz) | INSERTION LOSS (dB) | |
|---|---|---|
| | VDD=+2.8V | |
| | RF COM-RF1 | RF COM-RF2 |
| 1 | 0.15 | 0.15 |
| 2 | 0.15 | 0.16 |
| 3 | 0.16 | 0.16 |
| 4 | 0.16 | 0.16 |
| 5 | 0.16 | 0.16 |
| 6 | 0.16 | 0.16 |
| 8 | 0.16 | 0.17 |
| 10 | 0.17 | 0.17 |
| 30 | 0.18 | 0.18 |
| 50 | 0.19 | 0.19 |
| 70 | 0.19 | 0.20 |
| 100 | 0.20 | 0.21 |
| 300 | 0.27 | 0.27 |
| 500 | 0.33 | 0.33 |
| 700 | 0.41 | 0.41 |
| 900 | 0.47 | 0.47 |
| 1000 | 0.49 | 0.47 |
| 1100 | 0.48 | 0.47 |
| 1300 | 0.48 | 0.44 |
| 1400 | 0.52 | 0.49 |
| 1500 | 0.62 | 0.57 |
| 1600 | 0.72 | 0.70 |
| 1700 | 0.84 | 0.84 |
| 1800 | 0.91 | 0.92 |
| 1900 | 0.87 | 0.93 |
| 2000 | 0.83 | 0.81 |
| 2100 | 0.67 | 0.70 |
| 2200 | 0.60 | 0.54 |
| 2300 | 0.54 | 0.51 |
| 2400 | 0.60 | 0.50 |
| 2500 | 0.75 | 0.68 |
| 2600 | 0.86 | 0.79 |
| 2700 | 1.02 | 0.96 |
| 2800 | 1.04 | 1.02 |
| 2900 | 1.03 | 1.02 |
| 3000 | 0.94 | 0.94 |
| 3100 | 0.82 | 0.85 |
| 3200 | 0.75 | 0.75 |
| 3300 | 0.72 | 0.72 |
| 3400 | 0.77 | 0.75 |
| 3500 | 0.87 | 0.82 |

| RF FREQ (MHz) | ISOLATION (dB) | | | |
|---|---|---|---|---|
| | VDD=+2.8V | | VDD=+2.8V | |
| | RF COM-RF1 | RF COM-RF2 | RF1-RF2 RF1 (ON) | RF1-RF2 RF2 (ON) |
| 1 | 74.19 | 73.72 | 74.48 | 73.48 |
| 2 | 79.21 | 73.87 | 74.92 | 76.82 |
| 3 | 74.98 | 74.07 | 75.04 | 74.64 |
| 4 | 75.65 | 74.96 | 77.18 | 74.60 |
| 5 | 75.91 | 73.10 | 74.13 | 73.97 |
| 6 | 74.00 | 76.14 | 76.33 | 75.65 |
| 8 | 73.88 | 76.19 | 75.99 | 75.81 |
| 10 | 68.79 | 76.56 | 78.65 | 87.54 |
| 30 | 72.76 | 72.24 | 73.13 | 75.14 |
| 50 | 67.51 | 68.37 | 71.22 | 72.43 |
| 70 | 64.70 | 64.78 | 67.90 | 68.05 |
| 100 | 62.10 | 61.73 | 65.34 | 66.16 |
| 300 | 52.32 | 52.38 | 56.10 | 56.26 |
| 500 | 47.91 | 48.10 | 51.68 | 51.42 |
| 700 | 45.07 | 45.07 | 48.65 | 48.41 |
| 900 | 42.33 | 42.41 | 45.70 | 46.02 |
| 1000 | 41.23 | 41.30 | 44.46 | 44.78 |
| 1100 | 40.41 | 40.44 | 43.69 | 43.87 |
| 1300 | 39.46 | 39.56 | 42.74 | 42.12 |
| 1400 | 39.04 | 39.23 | 42.71 | 41.78 |
| 1500 | 38.55 | 38.87 | 42.33 | 41.01 |
| 1600 | 37.99 | 38.27 | 41.56 | 40.42 |
| 1700 | 37.10 | 37.57 | 40.25 | 39.26 |
| 1800 | 36.18 | 36.39 | 38.83 | 38.48 |
| 1900 | 35.03 | 35.33 | 37.19 | 37.32 |
| 2000 | 34.21 | 34.28 | 36.18 | 36.66 |
| 2100 | 33.76 | 33.89 | 35.58 | 35.80 |
| 2200 | 33.52 | 33.70 | 35.78 | 35.52 |
| 2300 | 33.83 | 33.94 | 36.31 | 35.25 |
| 2400 | 33.75 | 34.16 | 36.87 | 35.05 |
| 2500 | 33.66 | 34.00 | 37.14 | 35.26 |
| 2600 | 32.99 | 33.57 | 36.54 | 34.74 |
| 2700 | 32.02 | 32.60 | 35.64 | 34.54 |
| 2800 | 31.14 | 31.74 | 34.30 | 33.68 |
| 2900 | 30.09 | 30.66 | 33.30 | 33.33 |
| 3000 | 29.49 | 30.05 | 32.19 | 32.35 |
| 3100 | 29.03 | 29.53 | 31.67 | 31.83 |
| 3200 | 29.09 | 29.58 | 31.51 | 31.12 |
| 3300 | 29.42 | 29.78 | 31.53 | 30.52 |
| 3400 | 29.55 | 29.95 | 31.67 | 30.11 |
| 3500 | 29.37 | 29.81 | 31.47 | 29.72 |

| State of | | RF Common to | |
|---|---|---|---|
| Control Voltage | Enable Voltage | RF1 | RF2 |
| High | High | ON | OFF |
| Low | High | OFF | ON |
| Low/High | Low | Shutdown | |

ON-low insertion loss state; OFF-Isolation State

## Typical Performance Data

| RF FREQ (MHz) | VSWR (:1) VDD=+2.8V RF COM RF1 (ON) | VSWR (:1) VDD=+2.8V RF COM RF2 (ON) | VSWR (:1) VDD=+2.8V RF1 RF1 (ON) | VSWR (:1) VDD=+2.8V RF2 RF2 (ON) | RF FREQ (MHz) | VSWR (:1) VDD=+2.8V RF1 RF1 (OFF) | VSWR (:1) VDD=+2.8V RF2 RF2 (OFF) |
|---|---|---|---|---|---|---|---|
| 1 | 1.02 | 1.02 | 1.02 | 1.02 | 1 | 5.62 | 5.61 |
| 2 | 1.02 | 1.02 | 1.02 | 1.02 | 2 | 5.62 | 5.62 |
| 3 | 1.02 | 1.02 | 1.02 | 1.02 | 3 | 5.62 | 5.62 |
| 4 | 1.02 | 1.02 | 1.02 | 1.02 | 4 | 5.62 | 5.62 |
| 5 | 1.02 | 1.02 | 1.02 | 1.02 | 5 | 5.61 | 5.61 |
| 6 | 1.02 | 1.02 | 1.02 | 1.02 | 6 | 5.62 | 5.61 |
| 8 | 1.02 | 1.02 | 1.02 | 1.02 | 8 | 5.62 | 5.61 |
| 10 | 1.02 | 1.02 | 1.02 | 1.02 | 10 | 5.62 | 5.61 |
| 30 | 1.02 | 1.02 | 1.02 | 1.02 | 30 | 5.60 | 5.59 |
| 50 | 1.02 | 1.02 | 1.02 | 1.02 | 50 | 5.59 | 5.58 |
| 70 | 1.02 | 1.02 | 1.02 | 1.02 | 70 | 5.57 | 5.57 |
| 100 | 1.02 | 1.02 | 1.02 | 1.02 | 100 | 5.55 | 5.53 |
| 300 | 1.02 | 1.02 | 1.03 | 1.03 | 300 | 5.44 | 5.42 |
| 500 | 1.04 | 1.05 | 1.05 | 1.04 | 500 | 5.35 | 5.34 |
| 700 | 1.07 | 1.08 | 1.07 | 1.07 | 700 | 5.27 | 5.29 |
| 900 | 1.11 | 1.13 | 1.12 | 1.11 | 900 | 5.20 | 5.25 |
| 1000 | 1.14 | 1.15 | 1.15 | 1.14 | 1000 | 5.16 | 5.25 |
| 1100 | 1.17 | 1.18 | 1.17 | 1.17 | 1100 | 5.13 | 5.19 |
| 1300 | 1.24 | 1.25 | 1.24 | 1.23 | 1300 | 5.04 | 5.14 |
| 1400 | 1.28 | 1.29 | 1.27 | 1.27 | 1400 | 4.99 | 5.07 |
| 1500 | 1.32 | 1.32 | 1.30 | 1.31 | 1500 | 4.93 | 5.01 |
| 1600 | 1.35 | 1.35 | 1.33 | 1.34 | 1600 | 4.82 | 4.91 |
| 1700 | 1.37 | 1.38 | 1.36 | 1.37 | 1700 | 4.74 | 4.82 |
| 1800 | 1.40 | 1.39 | 1.37 | 1.39 | 1800 | 4.67 | 4.69 |
| 1900 | 1.41 | 1.40 | 1.39 | 1.41 | 1900 | 4.58 | 4.60 |
| 2000 | 1.42 | 1.41 | 1.40 | 1.42 | 2000 | 4.52 | 4.48 |
| 2100 | 1.42 | 1.40 | 1.40 | 1.42 | 2100 | 4.46 | 4.39 |
| 2200 | 1.41 | 1.39 | 1.39 | 1.40 | 2200 | 4.39 | 4.31 |
| 2300 | 1.39 | 1.37 | 1.38 | 1.39 | 2300 | 4.30 | 4.24 |
| 2400 | 1.37 | 1.35 | 1.38 | 1.37 | 2400 | 4.21 | 4.21 |
| 2500 | 1.35 | 1.33 | 1.36 | 1.35 | 2500 | 4.18 | 4.17 |
| 2600 | 1.33 | 1.32 | 1.34 | 1.34 | 2600 | 4.15 | 4.13 |
| 2700 | 1.32 | 1.31 | 1.32 | 1.33 | 2700 | 4.10 | 4.09 |
| 2800 | 1.30 | 1.29 | 1.31 | 1.32 | 2800 | 4.14 | 4.07 |
| 2900 | 1.29 | 1.27 | 1.29 | 1.30 | 2900 | 4.17 | 4.05 |
| 3000 | 1.29 | 1.26 | 1.28 | 1.29 | 3000 | 4.17 | 4.05 |
| 3100 | 1.29 | 1.26 | 1.29 | 1.29 | 3100 | 4.19 | 4.05 |
| 3200 | 1.30 | 1.27 | 1.30 | 1.29 | 3200 | 4.21 | 4.07 |
| 3300 | 1.31 | 1.28 | 1.31 | 1.29 | 3300 | 4.21 | 4.13 |
| 3400 | 1.33 | 1.29 | 1.32 | 1.30 | 3400 | 4.22 | 4.18 |
| 3500 | 1.35 | 1.32 | 1.33 | 1.31 | 3500 | 4.24 | 4.24 |

| State of | | RF Common to | |
|---|---|---|---|
| Control Voltage | Enable Voltage | RF1 | RF2 |
| High | High | ON | OFF |
| Low | High | OFF | ON |
| Low/High | Low | Shutdown | |

ON-low insertion loss state; OFF-Isolation State