

Voltage Controlled Oscillator

ROS-1480-219+

Typical Performance Data

| V TUNE | TUNE SENS (MHz/V) | FREQUENCY (MHz) | | | POWER OUTPUT (dBm) | | | HARMONICS (dBc) | | | FREQ. PUSH (MHz/V) | FREQ OFFSET (KHz) | PHASE NOISE (dBc/Hz) |
|-----------|-------------------------|--------------------|--------|--------|-----------------------|-------|-------|--------------------|-------|-------|--------------------------|-------------------------|----------------------------|
| | | -55°C | +25°C | +85°C | -55°C | +25°C | +85°C | F2 | F3 | F4 | | | |
| 0.0 | 117.97 | 579.3 | 564.3 | 548.9 | 4.54 | 5.24 | 3.84 | -16.5 | -19.8 | -25.9 | 1.53 | 1 | -64 |
| 0.5 | 97.12 | 638.9 | 623.3 | 605.9 | 4.91 | 5.70 | 5.38 | -15.9 | -17.0 | -23.5 | 1.44 | 10 | -96 |
| 1.0 | 86.86 | 688.4 | 671.9 | 653.2 | 5.31 | 5.98 | 5.63 | -16.1 | -15.6 | -22.8 | 1.39 | 100 | -119 |
| 1.5 | 81.68 | 732.8 | 715.3 | 695.5 | 5.65 | 6.33 | 5.91 | -16.8 | -14.9 | -23.2 | 1.32 | 1000 | -139 |
| 2.0 | 79.85 | 774.9 | 756.1 | 735.2 | 5.88 | 6.40 | 5.98 | -17.2 | -14.1 | -23.9 | 1.30 | | |
| 2.5 | 80.68 | 816.4 | 796.1 | 773.9 | 6.13 | 6.50 | 6.11 | -17.3 | -13.8 | -25.1 | 1.28 | | |
| 3.0 | 80.37 | 859.2 | 836.4 | 812.7 | 6.39 | 6.73 | 6.19 | -17.6 | -13.6 | -25.9 | 1.26 | | |
| 3.5 | 80.11 | 902.0 | 876.6 | 851.6 | 6.57 | 6.74 | 6.30 | -17.1 | -13.4 | -26.6 | 1.19 | | |
| 4.0 | 80.30 | 943.7 | 916.6 | 891.0 | 6.78 | 6.86 | 6.27 | -16.7 | -13.5 | -28.5 | 1.09 | | |
| 4.5 | 81.28 | 985.4 | 956.8 | 931.0 | 6.82 | 6.77 | 6.35 | -15.9 | -13.7 | -30.4 | 1.08 | | |
| 5.0 | 82.66 | 1027.2 | 997.4 | 972.1 | 6.96 | 6.79 | 6.24 | -15.3 | -14.4 | -32.4 | 1.11 | | |
| 5.5 | 83.65 | 1069.1 | 1038.7 | 1013.9 | 6.82 | 6.70 | 6.20 | -14.6 | -15.5 | -30.5 | 1.24 | | |
| 6.0 | 84.35 | 1110.9 | 1080.6 | 1057.0 | 6.93 | 6.50 | 6.08 | -13.8 | -16.7 | -27.4 | 1.46 | | |
| 6.5 | 85.09 | 1152.4 | 1122.7 | 1100.6 | 6.78 | 6.51 | 5.91 | -13.5 | -18.1 | -25.4 | 1.81 | | |
| 7.0 | 84.14 | 1193.4 | 1165.3 | 1144.5 | 6.68 | 6.31 | 5.75 | -13.0 | -19.6 | -23.2 | 2.25 | | |
| 7.5 | 84.25 | 1234.1 | 1207.4 | 1188.2 | 6.45 | 6.16 | 5.52 | -12.5 | -21.4 | -22.3 | 2.72 | | |
| 8.0 | 82.38 | 1274.1 | 1249.5 | 1231.7 | 6.37 | 5.89 | 5.31 | -12.0 | -23.6 | -21.4 | 3.20 | | |
| 8.5 | 81.69 | 1313.9 | 1290.7 | 1274.4 | 6.15 | 5.80 | 5.00 | -11.7 | -26.4 | -20.9 | 3.64 | | |
| 9.0 | 79.84 | 1353.0 | 1331.5 | 1316.6 | 6.06 | 5.53 | 4.80 | -11.4 | -29.3 | -20.8 | 3.98 | | |
| 9.5 | 78.08 | 1391.6 | 1371.4 | 1357.9 | 5.90 | 5.40 | 4.52 | -11.0 | -31.0 | -20.8 | 4.31 | | |
| 10.0 | 76.42 | 1429.2 | 1410.5 | 1398.3 | 5.76 | 5.16 | 4.27 | -10.7 | -29.7 | -20.9 | 4.53 | | |
| 10.5 | 73.99 | 1466.6 | 1448.7 | 1437.6 | 5.53 | 4.94 | 3.96 | -10.3 | -27.3 | -21.4 | 4.73 | | |
| 11.0 | 71.74 | 1502.2 | 1485.7 | 1475.8 | 5.27 | 4.58 | 3.64 | -10.1 | -25.5 | -21.1 | 4.78 | | |
| 11.5 | 69.97 | 1537.7 | 1521.6 | 1512.5 | 5.15 | 4.37 | 3.33 | -10.1 | -23.5 | -21.8 | 4.79 | | |
| 12.0 | 67.05 | 1571.7 | 1556.5 | 1548.7 | 5.05 | 4.25 | 3.07 | -9.9 | -22.8 | -22.6 | 4.70 | | |
| 12.5 | 65.91 | 1604.4 | 1590.1 | 1582.9 | 4.78 | 4.02 | 2.80 | -10.2 | -21.5 | -23.0 | 4.62 | | |
| 13.0 | 63.04 | 1636.3 | 1623.0 | 1616.4 | 4.64 | 3.81 | 2.38 | -10.3 | -21.2 | -23.1 | 4.38 | | |
| 13.5 | 60.49 | 1667.0 | 1654.5 | 1648.5 | 4.41 | 3.57 | 2.05 | -10.4 | -20.7 | -23.8 | 4.13 | | |
| 14.0 | 57.83 | 1697.1 | 1684.8 | 1679.1 | 4.22 | 3.28 | 1.70 | -10.1 | -20.5 | -24.8 | 4.08 | | |
| 14.5 | 56.81 | 1725.6 | 1713.7 | 1708.6 | 4.06 | 3.09 | 1.38 | -10.3 | -20.4 | -25.1 | 3.80 | | |
| 15.0 | 56.81 | 1753.4 | 1742.1 | 1737.2 | 3.87 | 2.86 | 1.03 | -10.3 | -20.0 | -25.3 | 3.51 | | |

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