

Voltage Controlled Oscillator

ROS-1200W+

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 | | | |
| 1.0 | 47.12 | 598.6 | 582.0 | 569.2 | 12.91 | 11.06 | 12.48 | -20.0 | -24.5 | -37.5 | 0.66 | 1 | -71 |
| 2.0 | 37.64 | 636.0 | 619.7 | 607.1 | 12.82 | 11.26 | 11.93 | -20.8 | -24.6 | -36.9 | 0.56 | 10 | -97 |
| 3.0 | 34.64 | 670.5 | 654.3 | 642.0 | 13.06 | 11.01 | 12.04 | -21.9 | -24.4 | -37.6 | 0.50 | 100 | -119 |
| 4.0 | 33.78 | 704.5 | 688.1 | 675.3 | 13.14 | 11.14 | 12.25 | -22.9 | -24.1 | -38.3 | 0.46 | 1000 | -139 |
| 5.0 | 34.25 | 739.4 | 722.3 | 709.7 | 12.77 | 10.99 | 12.30 | -24.0 | -23.8 | -40.4 | 0.42 | | |
| 6.0 | 36.07 | 775.4 | 758.4 | 745.6 | 12.52 | 10.78 | 11.76 | -25.4 | -23.6 | -44.8 | 0.38 | | |
| 7.0 | 38.84 | 815.2 | 797.2 | 784.0 | 12.44 | 10.86 | 11.45 | -26.5 | -23.5 | -49.8 | 0.34 | | |
| 8.0 | 43.70 | 859.6 | 840.9 | 827.3 | 12.81 | 10.64 | 11.30 | -28.0 | -23.7 | -50.5 | 0.37 | | |
| 9.0 | 47.04 | 907.8 | 888.0 | 873.6 | 12.50 | 10.81 | 11.79 | -30.0 | -23.6 | -49.5 | 0.39 | | |
| 10.0 | 48.70 | 957.5 | 936.7 | 922.1 | 12.42 | 10.73 | 11.15 | -32.6 | -24.7 | -47.3 | 0.43 | | |
| 11.0 | 48.29 | 1006.9 | 985.0 | 969.5 | 12.39 | 10.63 | 10.93 | -35.6 | -26.2 | -45.3 | 0.46 | | |
| 12.0 | 45.74 | 1052.7 | 1030.7 | 1015.2 | 12.83 | 10.55 | 11.06 | -36.7 | -30.1 | -44.2 | 0.46 | | |
| 13.0 | 41.80 | 1094.9 | 1072.5 | 1056.9 | 12.22 | 10.61 | 11.30 | -35.6 | -34.1 | -44.5 | 0.46 | | |
| 14.0 | 38.36 | 1133.3 | 1110.9 | 1095.6 | 11.93 | 10.38 | 10.65 | -34.4 | -37.1 | -45.9 | 0.46 | | |
| 15.0 | 35.82 | 1168.3 | 1146.7 | 1131.7 | 11.77 | 10.30 | 10.25 | -32.8 | -37.6 | -46.6 | 0.43 | | |
| 16.0 | 33.41 | 1200.9 | 1180.1 | 1165.9 | 11.96 | 10.10 | 10.05 | -31.1 | -38.2 | -49.8 | 0.43 | | |
| 17.0 | 31.77 | 1231.2 | 1211.9 | 1198.7 | 11.74 | 9.84 | 10.06 | -29.6 | -38.3 | -47.2 | 0.38 | | |
| 18.0 | 30.13 | 1259.6 | 1242.0 | 1229.9 | 11.30 | 9.48 | 9.60 | -28.4 | -39.5 | -48.6 | 0.33 | | |

REV. X1
 ROS-1200W+
 070205
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