

Voltage Controlled Oscillator

ROS-1435PV+

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 | | | |
| 0.5 | 42.22 | 1367.3 | 1354.6 | 1349.9 | 3.28 | 3.51 | 3.35 | -29.4 | -37.3 | -39.3 | 0.78 | 1 | -75 |
| 1.0 | 33.44 | 1383.8 | 1371.3 | 1366.4 | 3.53 | 3.78 | 3.66 | -29.6 | -36.1 | -38.4 | 1.02 | 10 | -101 |
| 1.5 | 29.28 | 1398.5 | 1385.9 | 1380.8 | 3.71 | 4.01 | 3.91 | -29.7 | -34.9 | -38.0 | 1.21 | 100 | -121 |
| 2.0 | 26.65 | 1411.9 | 1399.3 | 1393.9 | 3.86 | 4.18 | 4.11 | -30.0 | -34.4 | -37.3 | 1.30 | 1000 | -141 |
| 2.5 | 24.97 | 1424.6 | 1411.7 | 1406.1 | 4.00 | 4.34 | 4.26 | -30.1 | -34.1 | -37.0 | 1.37 | | |
| 3.0 | 23.83 | 1436.7 | 1423.7 | 1417.7 | 4.16 | 4.49 | 4.41 | -30.2 | -34.2 | -36.5 | 1.46 | | |
| 3.5 | 22.97 | 1448.4 | 1435.1 | 1428.9 | 4.30 | 4.64 | 4.57 | -30.5 | -34.8 | -36.4 | 1.51 | | |
| 4.0 | 22.40 | 1459.8 | 1446.3 | 1439.8 | 4.40 | 4.78 | 4.71 | -30.7 | -35.3 | -36.2 | 1.55 | | |
| 4.5 | 22.07 | 1471.1 | 1457.4 | 1450.5 | 4.48 | 4.88 | 4.83 | -30.6 | -36.1 | -36.0 | 1.57 | | |
| 5.0 | 21.75 | 1482.3 | 1468.3 | 1461.0 | 4.56 | 4.94 | 4.93 | -30.7 | -36.6 | -35.8 | 1.57 | | |

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