

Voltage Controlled Oscillator

ROS-2420+

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			
0.00	89.09	1101.8	1087.9	1076.8	4.87	4.38	4.57	-30.0	-24.9	-40.7	1.09	1	-72.04
0.50	84.24	1148.1	1132.4	1120.2	5.28	4.74	4.91	-28.5	-24.5	-39.7	1.08	10	-96.43
2.00	77.82	1276.3	1256.4	1241.3	6.08	5.40	5.47	-24.7	-25.9	-36.7	1.26	100	-117.53
3.00	79.10	1355.8	1334.2	1318.3	6.19	5.42	5.54	-23.0	-28.4	-35.4	1.42	1000	-138.52
4.00	80.42	1435.6	1413.3	1397.5	6.23	5.44	5.59	-22.1	-31.3	-35.3	1.52		
5.00	80.45	1515.5	1493.7	1478.3	6.12	5.42	5.56	-20.6	-34.0	-35.6	1.53		
6.00	80.75	1595.4	1574.2	1559.3	6.10	5.37	5.42	-20.4	-32.7	-34.1	1.51		
7.00	81.29	1675.7	1654.9	1640.6	5.94	5.23	5.19	-20.6	-32.5	-32.2	1.50		
8.00	81.88	1756.9	1736.2	1722.4	5.80	5.05	5.10	-20.9	-28.7	-32.1	1.45		
9.00	81.54	1838.4	1818.1	1804.5	5.47	4.88	4.99	-21.3	-28.5	-36.6	1.39		
10.00	80.40	1919.4	1899.7	1886.3	5.24	4.73	5.03	-21.9	-27.0	-42.9	1.35		
11.00	78.43	1999.5	1980.1	1967.0	5.03	4.56	4.93	-22.9	-25.2	-38.9	1.33		
12.00	75.83	2078.0	2058.5	2045.7	4.97	4.45	4.78	-22.9	-24.2	-37.7	1.16		
13.00	71.91	2153.5	2134.3	2121.3	4.83	4.29	4.60	-24.4	-22.3	-39.2	0.98		
14.00	67.39	2225.2	2206.2	2193.0	4.64	4.23	4.40	-25.1	-20.8	-39.5	0.80		
15.00	61.67	2292.4	2273.6	2260.0	4.51	4.07	4.42	-25.6	-20.1	-44.7	0.70		
16.00	57.19	2354.5	2335.3	2322.0	4.28	3.72	4.22	-26.3	-20.9	-40.4	0.61		
17.00	51.47	2411.2	2392.5	2378.9	4.14	3.79	4.20	-26.2	-22.1	-41.7	0.46		
18.00	46.69	2463.8	2444.0	2430.5	4.30	3.63	3.98	-26.6	-26.5	-38.3	0.34		
19.00	40.59	2509.3	2490.7	2477.1	3.84	3.68	4.11	-26.9	-29.8	-39.2	0.07		
20.00	35.32	2551.3	2531.2	2517.2	4.24	3.34	3.70	-25.9	-31.5	-36.5	0.07		
21.00	28.40	2585.6	2566.6	2552.5	4.02	3.70	3.91	-24.4	-28.2	-40.8	0.23		
22.00	28.40	2615.4	2595.0	2580.5	3.89	3.52	3.92	-26.2	-30.5	-42.4	0.16		