

Voltage Controlled Oscillator

ROS-2650+

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	30.84	2056.3	2049.7	2045.3	4.19	4.20	3.68	-18.9	-28.1	-32.9	1.22	1	-71
0.5	28.84	2071.5	2065.1	2061.0	4.20	4.23	3.68	-19.3	-28.1	-33.5	1.22	10	-101
1.0	28.71	2085.9	2079.5	2075.4	4.22	4.22	3.67	-20.1	-28.1	-34.5	1.23	100	-122
1.5	29.75	2100.2	2093.9	2089.7	4.22	4.24	3.70	-20.2	-27.7	-34.9	1.23	1000	-142
2.0	31.10	2115.0	2108.8	2104.5	4.26	4.24	3.70	-21.0	-27.5	-34.8	1.23		
2.5	33.22	2130.7	2124.3	2119.9	4.35	4.32	3.76	-21.7	-27.6	-34.2	1.22		
3.0	36.52	2147.4	2140.9	2136.3	4.39	4.34	3.84	-22.3	-27.7	-33.1	1.22		
3.5	39.93	2165.9	2159.2	2154.2	4.34	4.31	3.85	-23.5	-27.6	-32.4	1.24		
4.0	41.81	2185.9	2179.2	2174.0	4.40	4.32	3.83	-24.1	-27.6	-31.7	1.23		
4.5	44.10	2206.9	2200.1	2194.7	4.51	4.41	3.91	-24.8	-28.4	-31.3	1.22		
5.0	45.57	2229.0	2222.1	2216.5	4.55	4.44	3.99	-26.4	-28.6	-31.2	1.24		
5.5	45.43	2251.6	2244.9	2239.0	4.57	4.48	4.05	-27.5	-28.5	-30.3	1.22		
6.0	46.50	2274.5	2267.6	2261.7	4.57	4.48	4.07	-28.3	-28.8	-29.4	1.23		
6.5	45.64	2297.7	2290.9	2284.8	4.63	4.45	4.02	-30.9	-29.1	-29.8	1.23		
7.0	45.20	2320.4	2313.7	2307.6	4.71	4.52	4.10	-32.0	-29.2	-28.3	1.23		
7.5	44.01	2342.9	2336.3	2330.1	4.80	4.60	4.18	-33.2	-28.8	-29.4	1.21		
8.0	43.81	2364.8	2358.3	2352.1	4.88	4.67	4.26	-35.2	-28.9	-30.7	1.21		
8.5	43.84	2386.7	2380.2	2373.8	4.86	4.67	4.30	-36.5	-29.9	-29.2	1.24		
9.0	42.46	2408.5	2402.1	2395.7	4.91	4.65	4.27	-38.4	-29.9	-30.3	1.23		
9.5	41.95	2429.4	2423.3	2417.0	5.02	4.74	4.35	-44.2	-29.8	-32.0	1.24		
10.0	41.24	2450.2	2444.3	2437.7	5.03	4.78	4.43	-46.9	-29.7	-30.7	1.26		
10.5	41.10	2470.9	2464.9	2458.5	5.03	4.76	4.41	-45.0	-28.4	-30.9	1.25		
11.0	41.53	2491.6	2485.5	2479.1	5.07	4.77	4.43	-47.0	-27.8	-33.1	1.25		
11.5	41.01	2512.0	2506.2	2499.5	5.16	4.79	4.45	-39.7	-27.6	-37.0	1.30		
12.0	39.27	2532.3	2526.7	2520.2	5.28	4.95	4.53	-38.8	-28.1	-36.8	1.26		
12.5	40.14	2551.9	2546.4	2539.8	5.30	5.02	4.66	-37.6	-28.8	-36.7	1.30		
13.0	40.24	2572.0	2566.5	2559.4	5.27	4.97	4.63	-35.1	-29.6	-35.8	1.34		
13.5	39.06	2591.5	2586.6	2579.5	5.29	4.95	4.61	-34.4	-30.4	-34.6	1.38		
14.0	38.15	2610.9	2606.1	2599.5	5.32	5.02	4.64	-33.0	-30.9	-32.2	1.33		
14.5	38.65	2629.9	2625.2	2618.7	5.33	5.02	4.70	-32.6	-31.6	-31.2	1.36		
15.0	39.66	2648.9	2644.5	2638.4	5.35	4.98	4.66	-31.6	-30.3	-31.6	1.34		
15.5	40.16	2668.4	2664.3	2658.4	5.31	4.98	4.68	-30.8	-29.6	-32.9	1.35		
16.0	39.58	2688.3	2684.4	2678.6	5.38	5.04	4.74	-29.7	-29.5	-34.8	1.35		
16.5	38.66	2708.2	2704.2	2697.9	5.45	5.12	4.85	-28.5	-29.6	-35.6	1.34		
17.5	34.92	2746.6	2742.0	2735.2	5.51	5.20	4.92	-26.0	-30.0	-34.8	1.31		
18.0	35.06	2763.8	2759.4	2752.8	5.66	5.29	5.03	-25.8	-30.4	-33.3	1.33		
19.0	33.36	2798.8	2794.5	2787.0	5.65	5.41	5.16	-23.9	-32.3	-33.3	1.38		
19.5	32.08	2815.8	2811.2	2804.5	5.80	5.47	5.18	-22.8	-33.3	-33.0	1.37		
20.5	31.53	2846.9	2842.6	2836.0	6.11	5.72	5.42	-21.8	-31.6	-32.8	1.37		
21.0	31.53	2862.0	2858.4	2850.9	6.18	5.82	5.56	-21.2	-30.1	-32.7	1.40		

