

Voltage Controlled Oscillator

ROS-ED9763/1

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			
0.1	88.90	2321.9	2303.7	2287.2	-0.82	1.38	-0.05	-17.1	-31.4	-42.7	3.67	1	-73
0.2	87.00	2330.3	2312.4	2296.0	-0.70	1.33	-0.09	-17.1	-31.5	-43.5	3.77	10	-97
0.3	84.50	2338.6	2320.9	2304.6	-0.63	1.39	-0.16	-17.1	-32.0	-42.8	3.90	100	-117
0.4	84.00	2346.9	2329.3	2312.9	-0.58	1.51	-0.18	-17.0	-33.2	-44.5	3.80	1000	-132
0.5	82.50	2355.0	2337.5	2321.1	-0.52	1.60	-0.17	-16.9	-33.1	-43.6	3.90		
0.6	82.80	2363.3	2345.8	2329.3	-0.49	1.66	-0.06	-16.8	-34.0	-44.2	3.90		
0.7	82.00	2371.5	2354.0	2337.4	-0.42	1.74	-0.05	-16.7	-33.2	-44.4	3.80		
0.8	80.70	2379.5	2362.1	2345.5	-0.46	1.77	0.08	-16.7	-34.0	-44.3	3.90		
0.9	81.90	2387.7	2370.3	2353.7	-0.37	1.83	0.16	-16.8	-34.3	-43.5	3.90		
1.0	82.80	2396.0	2378.6	2362.0	-0.52	1.78	0.21	-16.7	-34.5	-44.5	3.87		
1.1	83.40	2404.4	2386.9	2370.2	-0.43	1.68	0.28	-16.5	-34.3	-44.6	3.90		
1.2	84.60	2413.0	2395.4	2378.6	-0.52	1.73	0.23	-16.2	-33.4	-44.7	3.97		
1.3	85.80	2421.7	2403.9	2387.0	-0.54	1.83	0.11	-16.3	-34.0	-44.0	4.00		
1.4	88.50	2430.5	2412.8	2395.7	-0.55	1.76	0.14	-16.4	-34.2	-44.3	4.10		
1.5	89.40	2439.5	2421.7	2404.4	-0.59	1.74	0.23	-16.4	-33.5	-42.5	4.10		
1.6	92.10	2448.8	2430.9	2413.4	-0.63	1.75	0.14	-16.2	-33.1	-42.7	4.20		
1.7	93.60	2458.3	2440.3	2422.4	-0.76	1.74	0.11	-16.1	-32.5	-42.9	4.30		
1.8	96.00	2468.2	2449.9	2431.8	-0.83	1.71	0.10	-16.0	-32.8	-43.1	4.30		
1.9	97.80	2478.2	2459.7	2441.3	-0.72	1.57	0.06	-15.9	-32.6	-41.9	4.50		
2.0	101.10	2488.5	2469.8	2451.2	-0.85	1.49	0.03	-15.8	-32.4	-42.6	4.40		
2.1	102.60	2498.9	2480.0	2461.3	-0.76	1.58	-0.10	-15.9	-32.5	-42.5	4.63		
2.2	106.70	2509.8	2490.7	2471.8	-0.61	1.45	-0.16	-15.7	-32.4	-42.7	4.60		
2.3	108.90	2521.0	2501.6	2482.5	-0.55	1.56	-0.06	-15.7	-32.2	-42.7	4.63		
2.4	112.80	2532.6	2512.9	2493.5	-0.40	1.72	-0.08	-15.6	-32.1	-42.8	4.63		
2.5	112.90	2544.1	2524.2	2504.4	-0.49	1.80	-0.08	-15.7	-32.6	-42.1	4.53		
2.6	118.90	2556.3	2536.1	2516.0	-0.62	1.90	0.03	-15.9	-32.7	-41.6	4.33		
2.7	120.40	2568.7	2548.1	2527.7	-0.56	1.93	0.13	-16.1	-32.8	-41.2	3.90		
2.8	122.60	2581.4	2560.4	2539.7	-0.69	1.88	0.10	-16.0	-32.9	-40.7	3.47		
2.9	122.10	2594.1	2572.6	2551.7	-0.61	1.82	0.11	-15.8	-32.4	-40.0	2.63		
3.0	122.70	2606.7	2584.8	2564.0	-0.60	1.67	-0.06	-16.0	-33.0	-40.2	1.80		
3.1	122.00	2619.4	2597.0	2576.3	-0.66	1.70	0.00	-16.3	-34.0	-40.5	0.67		
3.2	122.30	2632.1	2609.3	2588.6	-0.93	1.68	0.01	-16.3	-34.3	-40.8	0.63		
3.3	120.60	2644.4	2621.3	2600.6	-1.08	1.64	-0.01	-16.4	-34.7	-40.2	2.00		
3.4	120.40	2656.7	2633.4	2612.5	-1.05	1.49	-0.10	-16.5	-35.4	-39.9	3.47		
3.5	115.60	2668.6	2644.9	2624.2	-1.01	1.29	-0.34	-16.8	-35.7	-39.8	4.77		
3.6	113.00	2680.3	2656.2	2635.7	-0.96	1.36	-0.34	-17.1	-36.3	-40.7	6.10		
3.7	108.40	2691.4	2667.1	2646.8	-0.91	1.26	-0.58	-17.2	-36.9	-40.3	7.47		
3.8	105.00	2702.0	2677.6	2657.5	-0.82	1.48	-0.69	-17.4	-36.0	-40.5	8.57		
3.9	100.30	2712.1	2687.6	2667.9	-0.74	1.50	-0.57	-17.5	-36.7	-40.8	9.57		
4.0	97.00	2721.9	2697.3	2678.1	-0.85	1.49	-0.53	-17.8	-36.8	-40.2	1.57		