

Voltage Controlled Oscillator

ROS-ED10054/1

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	168.40	2564.1	2535.3	2516.6	3.61	4.06	3.97	-16.0	-33.0	-28.8	1.08	1	-68
0.3	148.64	2582.6	2553.8	2535.7	3.40	3.98	4.05	-16.1	-31.5	-28.5	2.22	10	-93
0.4	142.16	2599.4	2571.6	2552.8	3.24	3.87	3.95	-16.0	-30.8	-28.6	2.96	100	-114
0.5	128.96	2614.6	2587.7	2568.4	3.17	3.71	3.83	-16.0	-31.0	-28.2	3.28	1000	-134
0.6	119.20	2629.2	2602.6	2583.7	3.19	3.56	3.69	-16.0	-30.2	-28.8	3.66		
0.8	112.80	2642.9	2616.7	2598.0	3.32	3.48	3.53	-16.0	-29.2	-28.0	4.00		
0.9	107.28	2655.7	2630.1	2611.1	3.43	3.50	3.43	-15.9	-27.9	-28.5	4.14		
1.0	101.28	2668.1	2642.8	2623.6	3.55	3.62	3.39	-16.1	-27.0	-28.3	4.34		
1.1	95.76	2680.0	2654.8	2635.7	3.59	3.73	3.45	-15.9	-27.9	-28.6	4.40		
1.3	92.48	2691.7	2666.3	2647.3	3.64	3.79	3.55	-15.8	-27.4	-29.2	4.54		
1.4	89.92	2703.0	2677.6	2658.3	3.70	3.87	3.68	-16.0	-27.3	-29.0	4.74		
1.5	88.00	2714.1	2688.6	2669.0	3.69	3.91	3.74	-15.9	-26.4	-29.4	4.86		
1.6	86.40	2724.8	2699.4	2679.6	3.67	3.96	3.79	-15.9	-26.0	-29.3	5.06		
1.8	84.80	2735.1	2710.0	2689.8	3.60	3.98	3.82	-15.9	-26.0	-29.1	5.12		
1.9	82.32	2745.2	2720.3	2699.9	3.51	3.95	3.87	-15.8	-25.8	-29.7	5.20		
2.0	80.32	2755.0	2730.3	2709.9	3.40	3.88	3.89	-15.9	-25.9	-29.2	5.26		
2.1	77.60	2764.7	2740.0	2719.6	3.26	3.80	3.84	-16.0	-25.9	-28.9	5.26		
2.3	75.76	2774.2	2749.5	2729.1	3.15	3.70	3.78	-15.9	-25.7	-29.3	5.32		
2.4	74.64	2783.6	2758.8	2738.3	3.07	3.58	3.68	-15.8	-26.2	-29.5	5.46		
2.5	73.60	2793.0	2768.0	2747.4	3.03	3.44	3.65	-16.2	-27.0	-29.2	5.46		
2.6	72.72	2802.3	2777.1	2756.3	3.08	3.37	3.52	-15.9	-27.2	-29.4	5.52		
2.8	72.80	2811.4	2786.2	2765.1	3.15	3.29	3.37	-15.9	-27.5	-29.6	5.66		
2.9	72.56	2820.4	2795.3	2773.9	3.24	3.26	3.25	-16.1	-26.8	-29.5	5.74		
3.0	71.60	2829.4	2804.2	2782.6	3.33	3.32	3.17	-16.0	-26.3	-29.4	5.82		
3.1	70.40	2838.3	2813.0	2791.3	3.43	3.41	3.13	-15.8	-26.3	-29.8	5.82		
3.3	70.00	2847.0	2821.8	2800.0	3.40	3.48	3.17	-15.9	-26.1	-29.5	5.94		
3.4	69.68	2855.6	2830.5	2808.7	3.40	3.54	3.23	-16.0	-26.4	-29.2	5.96		
3.5	69.60	2864.1	2839.2	2817.2	3.40	3.63	3.29	-15.9	-26.4	-29.5	6.04		
3.6	67.92	2872.7	2847.7	2825.6	3.37	3.66	3.37	-16.0	-26.9	-30.0	5.94		
3.8	67.20	2881.4	2856.1	2834.0	3.38	3.61	3.45	-16.0	-26.8	-29.8	6.02		
3.9	66.40	2890.3	2864.4	2842.3	3.34	3.60	3.46	-15.9	-27.1	-29.5	5.94		
4.0	67.20	2899.0	2872.8	2850.5	3.27	3.56	3.48	-16.2	-27.0	-29.5	6.08		
4.1	68.72	2907.5	2881.4	2858.6	3.21	3.58	3.46	-16.3	-27.2	-30.0	6.32		
4.3	69.52	2916.0	2890.0	2866.8	3.14	3.54	3.43	-16.2	-27.8	-30.0	6.24		
4.4	67.44	2924.5	2898.5	2874.9	3.02	3.46	3.40	-16.1	-28.0	-29.7	6.02		
4.5	66.32	2932.8	2906.8	2883.0	2.89	3.44	3.39	-16.3	-28.6	-29.6	5.94		
4.6	66.32	2941.1	2915.1	2891.3	2.79	3.33	3.37	-16.4	-28.1	-29.9	5.94		
4.8	65.76	2949.4	2923.3	2899.5	2.73	3.19	3.26	-16.3	-27.4	-29.9	5.80		
4.9	64.56	2957.6	2931.3	2907.7	2.70	3.12	3.24	-15.4	-26.2	-29.3	5.58		
5.0	63.68	2965.7	2939.3	2915.7	2.71	2.98	3.16	-15.5	-25.8	-28.8	5.50		
5.1	62.72	2973.7	2947.1	2923.5	2.75	2.92	3.02	-15.6	-25.4	-29.0	5.36		
5.3	62.32	2981.5	2954.9	2931.2	2.78	2.86	2.94	-15.5	-25.1	-29.8	5.14		
5.4	61.20	2989.3	2962.6	2938.7	2.84	2.87	2.81	-15.6	-25.2	-30.1	5.00		
5.5	60.24	2996.9	2970.1	2946.0	2.81	2.90	2.75	-15.8	-24.6	-30.4	4.86		
5.6	58.32	3004.4	2977.4	2953.2	2.85	2.94	2.68	-16.4	-24.4	-30.4	4.62		
5.8	57.04	3011.7	2984.5	2960.2	2.82	2.98	2.70	-16.2	-24.0	-31.3	4.46		
5.9	55.68	3018.9	2991.5	2967.1	2.86	3.00	2.71	-16.1	-23.7	-31.1	4.32		
6.0	54.40	3025.84	2998.29	2973.85	2.87	2.99	2.73	-16.2	-23.6	-31.3	4.10		