

Voltage Controlled Oscillator

ROS-ED9309/2

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			
0.2	22.95	2571.1	2557.1	2542.8	5.57	7.50	7.91	-24.4	-31.1	-32.9	1.94	1	-72
0.4	23.00	2575.3	2561.2	2547.1	5.59	7.54	7.89	-24.6	-31.3	-32.7	1.96	10	-95
0.5	23.72	2579.6	2565.5	2551.4	5.59	7.53	7.90	-24.7	-31.6	-33.3	1.96	100	-115
0.7	24.94	2584.2	2570.0	2555.8	5.56	7.48	7.87	-24.8	-31.9	-33.4	1.96	1000	-135
0.9	26.28	2589.3	2574.7	2560.5	5.45	7.52	7.88	-24.8	-31.8	-33.2	2.02		
1.1	28.22	2594.7	2579.8	2565.5	5.46	7.53	7.89	-25.2	-31.8	-32.9	2.08		
1.3	30.83	2600.4	2585.4	2570.8	5.46	7.52	7.85	-25.2	-32.1	-33.5	2.22		
1.4	34.50	2606.6	2591.6	2576.6	5.42	7.44	7.87	-25.2	-32.0	-33.1	2.34		
1.6	37.94	2613.6	2598.4	2582.9	5.29	7.41	7.84	-26.0	-32.6	-33.8	2.20		
1.8	39.83	2621.2	2605.6	2590.0	5.31	7.40	7.79	-26.5	-32.7	-33.9	2.20		
2.0	44.28	2629.7	2613.5	2597.7	5.12	7.27	7.78	-27.0	-33.1	-33.2	2.34		
2.2	48.50	2639.2	2622.3	2606.3	5.25	7.29	7.73	-26.7	-32.5	-34.1	2.40		
2.3	52.39	2648.9	2631.7	2615.5	5.22	7.13	7.61	-26.5	-32.8	-34.0	2.48		
2.5	58.33	2659.2	2642.2	2625.1	5.34	7.25	7.54	-27.4	-32.0	-34.0	2.26		
2.7	57.61	2670.1	2652.6	2635.3	5.44	7.33	7.52	-28.3	-32.3	-33.8	2.00		
2.9	60.89	2681.9	2663.5	2646.2	5.50	7.38	7.56	-28.5	-32.1	-33.9	1.80		
3.1	62.61	2693.4	2674.8	2657.7	5.69	7.51	7.67	-28.3	-32.4	-34.6	1.48		
3.2	65.94	2705.1	2686.7	2668.7	5.61	7.54	7.80	-28.8	-32.8	-34.8	0.94		
3.4	61.11	2717.1	2697.7	2679.9	5.73	7.77	7.94	-30.6	-32.3	-35.1	0.20		
3.6	61.44	2729.7	2708.7	2691.0	5.64	7.82	8.07	-30.3	-33.4	-35.7	0.40		
3.8	60.94	2740.8	2719.7	2702.0	5.61	7.86	8.16	-29.7	-33.6	-37.9	1.08		
4.0	61.11	2751.4	2730.7	2711.9	5.61	7.77	8.24	-30.7	-34.0	-46.0	1.82		
4.1	52.39	2761.2	2740.1	2721.4	5.51	7.72	8.30	-33.7	-35.0	-40.4	2.32		
4.3	48.17	2770.3	2748.8	2730.4	5.53	7.71	8.26	-32.6	-37.0	-38.8	2.72		
4.5	43.89	2777.6	2756.7	2738.7	5.43	7.69	8.09	-32.7	-42.9	-39.3	2.80		
4.7	38.50	2783.8	2763.6	2746.3	5.43	7.61	8.07	-32.6	-40.5	-38.6	2.74		
4.9	34.45	2789.2	2769.8	2752.5	5.42	7.69	8.07	-32.8	-38.6	-37.6	2.60		
5.0	30.22	2793.8	2775.3	2757.9	5.35	7.54	7.97	-33.3	-37.0	-38.8	2.14		
5.2	23.83	2797.7	2779.6	2762.6	5.31	7.53	7.96	-36.0	-36.8	-39.2	1.60		
5.4	19.28	2800.9	2783.0	2766.7	5.29	7.53	7.98	-39.1	-37.9	-39.2	1.06		
5.6	16.67	2803.6	2786.0	2770.2	5.35	7.52	8.05	-39.1	-38.1	-39.2	0.48		
5.8	14.28	2805.8	2788.6	2773.1	5.33	7.52	7.90	-38.7	-37.1	-38.8	0.14		
5.9	12.22	2807.6	2790.8	2775.6	5.30	7.52	7.90	-37.7	-37.4	-38.3	0.60		
6.1	10.39	2809.2	2792.7	2777.7	5.28	7.48	7.87	-37.4	-36.1	-38.8	1.06		
6.3	8.83	2810.6	2794.3	2779.4	5.27	7.47	7.86	-38.0	-35.3	-39.6	1.40		
6.5	7.61	2811.8	2795.6	2781.0	5.26	7.46	7.85	-37.8	-35.9	-38.2	1.68		
6.7	6.83	2812.9	2796.9	2782.3	5.30	7.45	7.85	-38.4	-34.9	-39.2	1.94		
6.8	5.94	2813.9	2797.9	2783.5	5.30	7.44	7.83	-37.6	-34.8	-39.2	2.06		
7.0	5.39	2814.8	2798.9	2784.6	5.29	7.44	7.83	-37.1	-34.6	-39.8	2.24		