

Voltage Controlled Oscillator

ROS-ED9750/1

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			
0.2	22.67	2494.3	2472.2	2454.1	6.97	7.19	6.98	-40.1	-35.7	-50.3	0.65	1	-78
0.3	22.60	2497.8	2475.6	2457.5	6.96	7.16	6.86	-39.7	-35.2	-50.0	0.70	10	-102
0.5	22.67	2501.3	2479.0	2460.9	6.96	7.30	6.89	-39.8	-34.8	-49.2	0.70	100	-122
0.6	23.47	2504.9	2482.5	2464.4	6.99	7.32	6.96	-39.6	-34.5	-50.4	0.70	1000	-140
0.8	24.13	2508.7	2486.1	2468.0	7.10	7.23	6.83	-39.3	-34.2	-50.9	0.70		
0.9	25.33	2512.7	2489.9	2471.7	7.11	7.21	6.86	-39.2	-34.3	-49.8	0.75		
1.1	26.93	2516.9	2493.9	2475.7	7.11	7.33	6.84	-39.1	-34.0	-50.4	0.70		
1.2	29.13	2521.5	2498.3	2479.9	7.16	7.33	7.00	-39.4	-33.9	-49.5	0.75		
1.4	31.07	2526.5	2503.0	2484.4	7.17	7.36	6.92	-39.2	-33.9	-49.6	0.80		
1.5	33.80	2531.9	2508.0	2489.3	7.20	7.48	6.91	-39.0	-33.6	-50.6	0.75		
1.7	36.40	2537.8	2513.5	2494.6	7.23	7.50	7.05	-39.0	-33.7	-50.0	0.80		
1.8	40.00	2544.2	2519.5	2500.3	7.22	7.55	7.06	-39.3	-33.6	-49.2	0.85		
2.0	42.93	2550.9	2525.9	2506.4	7.29	7.57	7.10	-39.1	-33.9	-49.7	0.85		
2.1	45.93	2558.1	2532.8	2513.0	7.26	7.69	7.24	-39.2	-34.0	-49.9	0.80		
2.3	49.13	2565.7	2540.2	2520.1	7.16	7.62	7.30	-38.4	-33.7	-50.6	0.80		
2.4	52.27	2573.8	2548.0	2527.7	7.21	7.72	7.38	-39.5	-33.7	-50.4	0.73		
2.6	53.73	2582.1	2556.1	2535.6	7.09	7.55	7.45	-39.5	-34.3	-49.4	0.80		
2.7	56.47	2591.0	2564.6	2544.0	7.19	7.58	7.41	-39.2	-33.3	-50.3	0.63		
2.9	59.07	2600.3	2573.4	2552.7	7.18	7.64	7.36	-38.5	-34.1	-48.9	0.57		
3.0	60.87	2609.8	2582.6	2561.6	7.14	7.51	7.47	-39.5	-35.3	-50.1	0.50		
3.2	62.73	2619.5	2592.0	2570.7	7.12	7.62	7.46	-39.8	-36.0	-49.1	0.38		
3.3	63.80	2629.1	2601.5	2580.0	6.90	7.62	7.33	-39.6	-36.8	-49.8	0.28		
3.5	63.73	2638.7	2611.1	2589.5	6.87	7.57	7.44	-39.8	-36.3	-49.8	0.05		
3.6	62.47	2648.2	2620.5	2598.9	6.70	7.56	7.45	-40.3	-36.2	-50.7	0.22		
3.8	60.20	2657.5	2629.5	2608.0	6.78	7.34	7.41	-40.0	-35.7	-49.9	0.43		
3.9	57.33	2666.2	2638.1	2616.7	6.67	7.31	7.41	-40.5	-35.9	-50.4	0.72		
4.1	54.67	2674.4	2646.3	2624.9	6.74	7.19	7.23	-41.4	-37.3	-49.1	0.90		
4.2	50.67	2682.0	2653.9	2632.5	6.86	7.22	7.20	-41.5	-37.1	-50.7	1.10		
4.4	47.13	2688.8	2661.0	2639.6	6.92	7.11	7.11	-41.5	-37.3	-50.2	1.17		
4.5	42.20	2695.0	2667.3	2646.1	6.95	7.10	7.00	-41.2	-37.0	-50.1	1.17		
4.7	37.80	2700.3	2673.0	2651.8	6.98	7.18	6.95	-41.4	-36.8	-49.7	1.07		
4.8	33.07	2705.1	2677.9	2657.0	6.97	7.30	7.04	-41.8	-36.9	-50.3	0.95		
5.0	28.93	2709.1	2682.3	2661.5	7.05	7.28	6.93	-41.7	-36.2	-50.1	0.73		
5.1	24.67	2712.6	2686.0	2665.4	6.97	7.27	6.92	-41.3	-37.1	-50.0	0.50		
5.3	21.33	2715.5	2689.2	2668.7	6.97	7.34	7.07	-41.5	-37.1	-50.7	0.27		
5.4	18.00	2718.0	2691.9	2671.6	6.93	7.32	7.07	-41.4	-37.5	-50.1	0.07		
5.6	15.33	2720.1	2694.2	2674.1	6.93	7.37	7.01	-42.2	-36.5	-49.3	0.17		
5.7	13.07	2721.9	2696.1	2676.1	6.93	7.36	6.96	-42.0	-36.9	-50.0	0.33		
5.9	11.33	2723.4	2697.8	2678.0	7.03	7.41	7.13	-41.0	-37.6	-49.3	0.55		