

Voltage Controlled Oscillator

ROS-EDR5571

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			
0.3	145.00	2271.6	2241.7	2212.2	-0.57	-0.66	-1.42	-19.4	-32.7	-47.9	-0.75	1	-62
0.5	122.87	2301.9	2272.4	2244.6	-0.43	-0.56	-1.28	-19.3	-32.1	-48.2	-0.71	10	-88
0.8	114.06	2328.5	2301.0	2273.5	-0.47	-0.52	-1.20	-18.7	-31.8	-46.8	-0.71	100	-110
1.0	107.16	2354.3	2327.7	2301.1	-0.54	-0.57	-1.18	-18.9	-31.7	-45.2	-0.70	1000	-132
1.3	104.70	2381.6	2353.9	2327.5	-0.58	-0.59	-1.16	-18.7	-34.7	-43.4	-0.65		
1.5	106.50	2408.2	2380.5	2353.2	-0.61	-0.59	-1.14	-18.4	-39.5	-41.3	-0.63		
1.8	104.36	2434.9	2406.6	2378.9	-0.60	-0.59	-1.15	-18.2	-48.1	-41.3	-0.60		
2.0	105.61	2461.3	2433.0	2404.6	-0.61	-0.59	-1.11	-17.7	-40.4	-39.7	-0.54		
2.3	105.66	2488.8	2459.5	2430.7	-0.59	-0.59	-1.13	-17.7	-36.2	-38.4	-0.49		
2.5	110.09	2517.1	2487.0	2457.2	-0.58	-0.59	-1.16	-17.2	-33.7	-36.7	-0.46		
2.8	113.34	2546.1	2515.3	2484.9	-0.57	-0.61	-1.15	-16.9	-31.6	-36.9	-0.45		
3.0	116.97	2576.4	2544.6	2513.6	-0.57	-0.59	-1.18	-16.5	-31.2	-37.3	-0.45		
3.3	121.13	2607.6	2574.8	2543.0	-0.44	-0.63	-1.20	-16.1	-30.1	-36.4	-0.51		
3.5	124.48	2638.7	2606.0	2573.5	-0.46	-0.56	-1.23	-16.0	-30.5	-35.8	-0.63		
3.8	124.83	2670.6	2637.2	2604.7	-0.49	-0.59	-1.24	-15.8	-29.2	-34.7	-0.78		
4.0	126.23	2702.8	2668.7	2635.7	-0.50	-0.63	-1.26	-15.8	-31.6	-35.0	-0.96		
4.3	126.00	2734.3	2700.2	2667.1	-0.61	-0.67	-1.33	-15.8	-30.6	-35.0	-1.23		
4.5	122.40	2765.1	2730.8	2698.2	-0.64	-0.74	-1.39	-15.9	-30.2	-35.3	-1.54		
4.8	119.88	2795.2	2760.8	2728.0	-0.69	-0.79	-1.40	-15.2	-29.4	-35.9	-1.76		
5.0	116.72	2824.5	2790.0	2757.1	-0.73	-0.84	-1.49	-14.9	-28.0	-36.5	-2.01		
5.3	112.12	2852.3	2818.0	2785.4	-0.80	-0.91	-1.56	-14.8	-27.2	-37.4	-2.27		
5.5	104.85	2878.2	2844.2	2811.8	-0.88	-0.96	-1.58	-14.9	-27.9	-37.7	-2.51		
5.8	99.44	2903.2	2869.1	2837.0	-0.90	-1.01	-1.66	-14.9	-27.7	-37.9	-2.61		
6.0	93.30	2926.2	2892.4	2860.7	-0.93	-1.07	-1.69	-14.7	-27.3	-38.5	-2.95		
6.3	85.39	2947.1	2913.8	2882.2	-0.97	-1.11	-1.77	-15.1	-27.9	-39.4	-2.93		
6.5	79.97	2966.9	2933.7	2902.5	-0.96	-1.14	-1.81	-14.9	-29.4	-39.7	-2.87		
6.8	70.48	2984.7	2951.4	2920.5	-0.99	-1.16	-1.82	-15.4	-31.2	-39.0	-2.89		
7.0	65.80	3000.8	2967.8	2937.3	-0.98	-1.20	-1.87	-15.1	-31.9	-38.9	-3.10		