

Voltage Controlled Oscillator

ROS-ED10028/1

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			
0.3	44.00	2416.3	2381.2	2362.7	9.63	8.69	7.88	-18.5	-25.3	-27.4	1.86	1	-70
0.5	41.88	2426.5	2391.7	2372.9	9.57	8.74	7.87	-18.7	-24.9	-27.0	1.83	10	-95
0.8	39.48	2436.0	2401.5	2382.2	9.53	8.83	7.97	-18.9	-25.1	-27.8	1.89	100	-115
1.0	37.80	2445.1	2411.0	2391.0	9.46	8.83	8.01	-18.8	-25.7	-28.7	1.86	1000	-135
1.3	36.80	2454.0	2420.2	2400.0	9.40	8.79	8.10	-18.9	-25.3	-28.8	1.86		
1.5	36.40	2462.7	2429.3	2409.2	9.38	8.70	8.07	-18.9	-25.0	-28.8	1.83		
1.8	36.40	2471.2	2438.4	2418.5	9.39	8.63	8.02	-18.6	-24.9	-29.7	1.83		
2.0	36.56	2480.2	2447.5	2428.0	9.37	8.56	7.93	-18.6	-25.3	-30.3	1.80		
2.3	36.80	2489.6	2456.7	2437.5	9.44	8.56	7.89	-18.7	-25.7	-30.3	1.78		
2.5	38.92	2499.6	2466.5	2447.3	9.50	8.53	7.81	-18.6	-25.8	-30.6	1.86		
2.8	42.24	2510.2	2477.0	2457.4	9.66	8.53	7.76	-18.6	-26.4	-30.6	1.86		
3.0	44.36	2521.3	2488.1	2468.0	9.80	8.58	7.70	-18.6	-26.4	-30.1	1.86		
3.3	47.84	2533.5	2500.1	2479.4	9.92	8.64	7.69	-18.5	-26.6	-31.1	1.84		
3.5	51.44	2546.8	2512.9	2492.0	10.04	8.84	7.73	-18.3	-27.0	-30.3	1.90		
3.8	57.72	2561.4	2527.4	2506.2	10.01	9.01	7.87	-18.4	-27.8	-30.1	2.01		
4.0	64.56	2577.7	2543.5	2522.1	9.94	9.18	8.04	-18.3	-28.3	-29.7	2.11		
4.3	73.20	2596.4	2561.8	2539.9	9.80	9.14	8.29	-18.2	-29.4	-29.3	2.20		
4.5	82.00	2618.0	2582.3	2560.0	9.66	9.07	8.27	-18.4	-29.7	-29.6	2.28		
4.8	93.60	2642.5	2605.7	2582.7	9.58	8.85	8.13	-18.3	-31.1	-29.9	2.34		
5.0	107.36	2669.8	2632.5	2609.0	9.76	8.62	7.86	-18.3	-29.8	-31.3	2.27		
5.3	118.24	2698.8	2662.1	2638.3	10.01	8.81	7.87	-18.3	-28.0	-32.7	1.84		
5.5	123.88	2729.4	2693.1	2669.8	10.03	9.07	7.96	-18.4	-26.5	-34.4	1.23		
5.8	129.20	2761.5	2725.4	2702.6	9.78	8.95	8.03	-18.5	-26.4	-36.9	0.57		
6.0	133.44	2792.6	2758.7	2735.9	9.56	8.85	8.16	-18.5	-35.8	-38.1	0.17		
6.3	128.16	2823.8	2790.8	2769.2	9.87	8.67	7.87	-18.5	-26.8	-37.4	0.74		
6.5	125.88	2854.7	2822.2	2801.0	10.02	8.88	7.61	-18.7	-26.5	-37.5	1.29		
6.8	122.20	2883.0	2852.8	2831.7	10.23	9.13	7.93	-18.6	-28.4	-38.1	1.65		
7.0	111.92	2910.3	2880.8	2861.2	10.00	9.38	8.18	-18.6	-29.9	-38.2	1.87		
7.3	106.36	2937.0	2907.4	2888.1	9.69	9.33	8.36	-18.8	-31.2	-38.0	2.13		
7.5	102.40	2962.0	2933.0	2913.4	9.67	8.99	8.21	-16.9	-29.8	-36.6	2.27		
7.8	95.96	2985.3	2957.0	2937.8	9.99	8.97	7.99	-17.3	-32.8	-38.3	2.30		
8.0	87.96	3007.1	2978.9	2960.6	10.06	9.37	8.10	-18.0	-37.1	-37.7	2.30		
8.3	82.48	3028.1	2999.6	2981.4	10.03	9.20	8.57	-18.4	-30.3	-42.1	2.31		
8.5	78.48	3047.8	3019.2	3001.0	10.06	9.61	8.42	-19.0	-30.0	-46.6	2.30		
8.8	75.08	3065.9	3038.0	3020.0	10.07	9.63	8.80	-20.2	-30.0	-45.9	2.26		
9.0	70.36	3082.7	3055.5	3038.4	10.05	9.58	8.77	-20.7	-30.0	-45.4	2.11		
9.3	66.68	3098.4	3072.2	3056.0	10.04	9.52	8.66	-21.8	-30.7	-43.2	2.04		
9.5	64.68	3113.6	3088.4	3072.5	9.94	9.32	8.51	-22.7	-30.4	-43.8	1.98		
9.8	63.04	3128.6	3104.1	3088.3	9.88	9.16	8.32	-23.2	-29.7	-42.2	1.89		
10.0	62.00	3143.5	3119.6	3103.6	9.81	9.01	8.16	-23.8	-28.7	-41.5	1.85		
10.3	61.60	3158.0	3135.0	3118.5	9.75	8.87	8.03	-23.9	-27.9	-43.4	1.70		
10.5	57.92	3172.2	3149.5	3133.0	9.67	8.78	7.90	-23.8	-28.0	-42.8	1.56		
10.8	55.84	3186.3	3163.5	3147.1	9.59	8.72	7.80	-23.7	-26.0	-43.5	1.40		
11.0	53.60	3200.0	3176.9	3160.5	9.30	8.67	7.78	-23.8	-25.6	-44.4	1.32		