

Voltage Controlled Oscillator

ROS-3050C+

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			
0.0	39.18	2533.5	2529.8	2527.1	8.74	7.34	6.19	-13.4	-37.6	-40.9	1.30	1	-76
0.5	35.27	2552.1	2549.4	2547.2	8.50	6.97	5.94	-14.7	-35.2	-47.4	1.12	10	-104
1.0	33.99	2569.8	2567.0	2564.6	8.01	6.60	5.73	-16.2	-32.8	-63.1	1.01	100	-125
1.5	33.44	2587.3	2584.0	2581.4	7.40	6.24	5.51	-17.8	-32.3	-51.5	0.82	1000	-146
2.0	34.20	2604.6	2600.8	2597.7	6.87	6.00	5.38	-19.7	-31.3	-44.4	0.71		
2.5	34.27	2622.0	2617.9	2614.3	6.55	5.75	5.26	-20.9	-32.4	-41.3	0.57		
3.0	34.53	2639.2	2635.0	2631.2	6.40	5.67	5.24	-21.9	-34.1	-41.7	0.47		
3.5	34.98	2656.8	2652.3	2648.3	6.30	5.67	5.26	-22.7	-37.9	-40.0	0.40		
4.0	35.44	2674.6	2669.7	2665.6	6.27	5.73	5.35	-23.2	-39.2	-40.3	0.34		
4.5	36.08	2692.6	2687.5	2683.1	6.33	5.84	5.47	-23.2	-40.3	-41.3	0.31		
5.0	37.31	2711.0	2705.5	2700.9	6.35	5.92	5.57	-23.5	-39.4	-41.1	0.27		
5.5	38.66	2730.0	2724.2	2719.3	6.34	5.95	5.64	-23.9	-39.1	-42.7	0.24		
6.0	38.97	2749.5	2743.5	2738.4	6.46	6.03	5.68	-23.4	-38.5	-42.5	0.22		
6.5	39.18	2769.0	2763.0	2757.9	6.68	6.23	5.83	-23.5	-38.6	-41.4	0.21		
7.0	39.72	2788.7	2782.6	2777.4	6.91	6.49	6.08	-23.9	-39.7	-41.1	0.21		
7.5	41.68	2808.8	2802.4	2797.0	7.05	6.66	6.32	-23.6	-39.5	-43.2	0.20		
8.0	43.40	2830.0	2823.3	2817.5	7.03	6.62	6.33	-24.2	-40.1	-44.1	0.16		
8.5	43.69	2851.9	2845.0	2839.0	7.11	6.63	6.30	-24.4	-39.5	-43.3	0.11		
9.0	42.69	2873.5	2866.8	2860.9	7.42	6.91	6.46	-24.0	-39.1	-42.0	0.08		
9.5	44.07	2895.0	2888.2	2882.2	7.59	7.15	6.77	-24.7	-39.8	-41.2	0.05		
10.0	45.84	2917.4	2910.2	2904.0	7.57	7.16	6.84	-24.5	-38.8	-38.9	0.01		
10.5	46.14	2940.6	2933.1	2926.6	7.55	7.10	6.78	-25.1	-39.1	-38.7	0.02		
11.0	45.18	2963.5	2956.2	2949.8	7.71	7.19	6.80	-25.1	-40.5	-39.4	0.03		
11.5	45.10	2986.1	2978.8	2972.5	7.94	7.43	7.00	-25.4	-38.9	-40.2	0.01		
12.0	45.20	3008.8	3001.3	2995.0	8.04	7.56	7.18	-26.0	-39.2	-38.6	0.04		
12.5	45.37	3031.5	3023.9	3017.6	8.00	7.57	7.22	-26.2	-39.5	-38.0	0.14		
13.0	44.60	3054.5	3046.6	3040.2	7.91	7.47	7.14	-26.4	-38.7	-35.7	0.29		
13.5	41.12	3076.4	3068.9	3062.7	8.01	7.49	7.08	-25.9	-39.0	-33.9	0.48		
14.0	38.41	3096.7	3089.5	3083.6	8.17	7.66	7.24	-27.4	-38.2	-36.0	0.70		
14.5	37.57	3116.1	3108.7	3102.9	8.14	7.77	7.41	-27.2	-37.5	-37.0	0.94		
15.0	35.19	3135.4	3127.5	3121.3	8.00	7.64	7.33	-27.8	-38.1	-38.1	1.18		
15.5	31.32	3152.9	3145.0	3139.1	7.97	7.55	7.19	-27.7	-37.1	-39.1	1.28		
16.0	27.02	3168.4	3160.7	3154.9	8.03	7.54	7.15	-27.4	-37.1	-38.0	1.31		
16.5	22.98	3181.8	3174.2	3168.6	8.13	7.62	7.19	-27.3	-36.0	-39.0	1.24		
17.0	19.69	3193.2	3185.7	3180.1	8.21	7.73	7.30	-27.5	-36.0	-39.6	1.11		
17.5	17.12	3203.4	3195.5	3190.0	8.21	7.78	7.40	-28.4	-35.7	-39.9	0.96		
18.0	17.12	3212.2	3204.1	3198.4	8.20	7.80	7.42	-27.9	-36.0	-39.6	0.79		

