

Voltage Controlled Oscillator

ROS-2950-119+

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	22.78	2576.7	2573.3	2571.7	2.36	1.16	0.36	-23.0	-36.3	-37.3	0.50	1	-80.47
0.5	20.18	2588.0	2584.6	2583.0	2.70	1.58	0.85	-23.9	-35.0	-36.4	0.67	10	-106.22
1.0	19.03	2598.0	2594.7	2593.0	2.93	1.86	1.17	-24.0	-36.0	-36.5	0.72	100	-127.28
1.5	18.61	2607.6	2604.3	2602.4	3.13	2.10	1.43	-24.2	-36.0	-37.7	0.74	1000	-147.23
2.0	18.54	2616.9	2613.6	2611.6	3.29	2.31	1.66	-24.8	-35.8	-37.6	0.75		
2.5	18.63	2626.3	2622.8	2620.8	3.41	2.47	1.84	-24.8	-34.8	-37.8	0.75		
3.0	18.88	2635.7	2632.1	2630.0	3.49	2.59	1.98	-24.6	-36.2	-36.5	0.74		
3.5	19.18	2645.2	2641.6	2639.3	3.60	2.70	2.11	-25.3	-36.5	-36.3	0.73		
4.0	19.81	2655.0	2651.2	2648.8	3.70	2.85	2.27	-25.9	-34.7	-38.0	0.72		
4.5	20.40	2665.0	2661.1	2658.5	3.84	2.95	2.39	-25.4	-35.5	-37.6	0.72		
5.0	21.20	2675.5	2671.3	2668.6	4.05	3.17	2.58	-25.7	-35.9	-37.7	0.70		
5.5	21.99	2686.3	2681.9	2679.0	4.23	3.39	2.81	-26.7	-35.5	-37.9	0.69		
6.0	22.79	2697.5	2692.9	2689.9	4.41	3.59	3.02	-26.6	-35.3	-38.5	0.68		
6.5	23.73	2709.1	2704.3	2701.1	4.61	3.79	3.24	-27.5	-35.6	-39.0	0.68		
7.0	24.91	2721.2	2716.1	2712.8	4.81	4.01	3.46	-27.8	-35.9	-38.5	0.67		
7.5	25.86	2733.8	2728.6	2725.1	4.99	4.21	3.67	-27.2	-35.3	-38.6	0.69		
8.0	26.73	2746.9	2741.5	2737.9	5.06	4.39	3.88	-28.2	-34.2	-39.2	0.70		
8.5	27.71	2760.4	2754.9	2751.1	5.11	4.47	4.00	-28.7	-32.6	-38.2	0.72		
9.0	28.93	2774.6	2768.7	2764.8	5.17	4.52	4.08	-27.5	-31.7	-39.0	0.76		
9.5	30.42	2789.5	2783.2	2778.9	5.39	4.65	4.18	-27.9	-30.6	-38.4	0.81		
10.0	31.64	2805.2	2798.4	2793.9	5.68	4.92	4.42	-27.8	-28.9	-40.0	0.88		
10.5	32.24	2821.3	2814.2	2809.5	5.95	5.23	4.71	-28.0	-28.6	-39.9	0.90		
11.0	32.60	2837.6	2830.4	2825.6	6.09	5.50	5.00	-27.8	-27.5	-39.2	0.88		
11.5	33.14	2854.2	2846.7	2842.0	6.27	5.70	5.17	-29.1	-27.3	-40.0	0.78		
12.0	33.42	2871.0	2863.2	2858.5	6.38	5.82	5.33	-27.9	-26.7	-40.6	0.65		
12.5	34.38	2888.0	2879.9	2875.1	6.59	5.93	5.44	-28.4	-27.3	-39.6	0.44		
13.0	34.54	2905.4	2897.1	2892.1	6.91	6.13	5.63	-27.9	-28.2	-41.1	0.19		
13.5	33.54	2922.6	2914.4	2909.3	7.16	6.44	5.92	-29.0	-29.3	-40.6	-0.18		
14.0	32.15	2939.3	2931.2	2926.3	7.28	6.65	6.15	-28.3	-29.0	-41.7	-0.61		
14.5	30.73	2955.3	2947.2	2942.4	7.32	6.72	6.27	-28.5	-29.7	-41.2	-1.03		
15.0	29.00	2970.7	2962.6	2957.8	7.36	6.74	6.30	-27.8	-30.1	-41.1	-1.44		
15.5	27.27	2985.4	2977.1	2972.3	7.37	6.76	6.31	-27.9	-30.4	-41.7	-1.80		
16.0	25.05	2999.1	2990.7	2986.0	7.48	6.78	6.31	-27.0	-29.6	-40.9	-2.00		
16.5	22.61	3011.7	3003.3	2998.4	7.58	6.84	6.36	-27.1	-29.5	-41.2	-2.14		
17.0	20.01	3023.1	3014.6	3009.7	7.72	6.92	6.41	-27.8	-29.0	-40.7	-2.09		
17.5	17.57	3033.2	3024.6	3019.6	7.81	7.03	6.50	-27.1	-30.3	-41.4	-1.96		
18.0	15.05	3042.1	3033.4	3028.2	7.86	7.10	6.59	-26.2	-29.7	-41.5	-1.67		
18.5	13.09	3050.0	3040.9	3035.7	7.88	7.15	6.64	-26.2	-29.8	-39.8	-1.30		
19.5	9.78	3062.7	3053.2	3047.4	7.91	7.19	6.70	-26.4	-30.0	-41.6	-0.46		
20.0	9.78	3067.6	3058.1	3052.1	7.89	7.20	6.71	-26.5	-29.4	-40.6	-0.02		