

Voltage Controlled Oscillator

ROS-2920-219+

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			
0.00	74.42	2743.2	2728.2	2719.2	2.60	2.47	2.72	-25.5	-22.7	-63.5	0.32	1	-74.58
0.25	68.19	2760.9	2746.8	2738.4	2.86	2.57	2.83	-25.8	-25.0	-71.8	0.67	10	-101.68
0.50	64.51	2777.6	2763.9	2755.5	3.01	2.82	3.01	-27.6	-29.8	-81.9	0.88	100	-123.78
0.75	61.37	2794.1	2780.0	2771.5	3.12	3.05	3.26	-27.1	-32.6	-74.8	1.00	1000	-143.49
1.00	59.04	2808.9	2795.4	2787.4	3.13	3.15	3.40	-25.2	-34.8	-75.6	1.08		
1.25	57.17	2823.2	2810.1	2802.4	3.18	3.15	3.50	-24.6	-40.1	-71.0	1.12		
1.50	55.83	2837.2	2824.4	2816.6	3.28	3.20	3.51	-24.8	-40.8	-75.9	1.15		
1.75	54.97	2851.0	2838.4	2830.5	3.47	3.28	3.56	-24.8	-33.6	-69.8	1.17		
2.00	54.59	2865.3	2852.1	2844.0	3.70	3.48	3.67	-23.1	-30.9	-72.5	1.20		
2.25	54.47	2879.1	2865.8	2857.7	3.97	3.70	3.82	-22.7	-29.0	-67.4	1.23		
2.50	54.12	2892.6	2879.4	2871.8	4.07	3.94	4.07	-23.1	-29.4	-73.1	1.26		
2.75	53.86	2906.0	2892.9	2885.3	4.08	4.08	4.31	-24.2	-28.6	-66.2	1.27		
3.00	53.81	2919.2	2906.4	2898.7	4.11	4.10	4.39	-23.2	-28.0	-69.6	1.27		
3.25	53.31	2932.7	2919.8	2911.9	4.23	4.12	4.43	-20.8	-28.0	-62.3	1.25		
3.50	53.12	2946.1	2933.2	2925.1	4.39	4.24	4.46	-20.3	-27.0	-68.8	1.19		
3.75	53.29	2959.6	2946.4	2938.4	4.55	4.38	4.58	-21.1	-28.8	-63.9	1.13		
4.00	53.49	2973.0	2959.8	2951.7	4.72	4.52	4.72	-22.4	-32.3	-69.3	1.07		
4.25	53.46	2986.6	2973.1	2965.0	4.81	4.68	4.85	-21.8	-32.1	-61.7	0.98		
4.50	53.24	3000.2	2986.5	2978.3	4.85	4.78	4.99	-20.7	-33.4	-65.0	0.87		
4.75	53.37	3013.4	2999.8	2991.6	4.81	4.83	5.08	-20.9	-32.7	-59.0	0.74		
5.00	52.91	3026.7	3013.1	3004.9	4.84	4.78	5.11	-21.0	-31.5	-64.4	0.57		
5.25	51.67	3039.8	3026.4	3017.8	4.91	4.81	5.09	-20.9	-33.0	-56.8	0.29		
5.50	51.32	3052.9	3039.3	3030.5	4.97	4.86	5.12	-20.3	-30.6	-60.0	0.03		
5.75	51.52	3066.4	3052.1	3043.0	5.05	4.93	5.17	-20.1	-28.7	-57.3	0.38		
6.00	51.11	3079.8	3065.0	3055.4	5.13	5.03	5.24	-20.3	-31.7	-61.8	0.73		
6.25	45.61	3093.4	3077.8	3068.0	5.27	5.18	5.35	-18.7	-31.5	-63.7	1.08		
6.50	38.88	3104.5	3089.2	3079.7	5.55	5.50	5.58	-17.2	-33.2	-62.6	1.54		
6.75	36.62	3113.5	3098.9	3089.9	5.72	5.67	5.84	-16.8	-34.7	-66.4	2.19		
7.00	36.62	3122.2	3108.1	3099.2	5.77	5.68	5.92	-16.5	-32.8	-62.9	2.89		

