

Voltage Controlled Oscillator

ROS-3000-619+

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	89.21	2729.4	2715.0	2701.7	9.31	9.44	9.36	-24.8	-27.4	-51.1	1.64	1	-73.7
0.25	81.32	2751.3	2737.3	2724.5	9.28	9.53	9.47	-26.3	-29.3	-53.6	0.97	10	-102.1
0.50	73.50	2770.9	2757.7	2744.9	9.27	9.48	9.50	-25.3	-30.1	-54.5	0.62	100	-124.5
0.75	68.41	2788.7	2776.0	2763.9	9.37	9.46	9.46	-24.2	-30.7	-54.0	0.44	1000	-144.3
1.00	66.16	2805.7	2793.1	2781.3	9.50	9.57	9.48	-24.0	-29.8	-53.6	0.26		
1.25	64.82	2822.3	2809.7	2797.9	9.58	9.68	9.59	-24.0	-29.2	-53.3	0.10		
1.50	63.78	2838.5	2825.9	2814.0	9.56	9.74	9.68	-24.6	-28.7	-53.7	0.02		
1.75	62.50	2854.3	2841.8	2829.9	9.59	9.73	9.72	-25.8	-29.4	-53.3	0.11		
2.00	60.63	2869.6	2857.5	2845.7	9.60	9.75	9.73	-26.8	-29.7	-54.3	0.12		
2.25	59.62	2884.7	2872.6	2861.1	9.66	9.77	9.74	-25.3	-29.4	-53.8	0.12		
2.50	59.66	2899.7	2887.5	2876.1	9.76	9.83	9.77	-23.9	-29.4	-55.0	0.13		
2.75	60.65	2914.9	2902.4	2890.9	9.86	9.93	9.84	-23.2	-28.7	-56.2	0.14		
3.00	61.22	2930.3	2917.6	2905.8	9.89	10.03	9.94	-24.1	-28.7	-57.6	0.14		
3.25	59.92	2945.4	2932.9	2920.9	9.92	10.08	10.01	-25.5	-28.0	-59.1	0.09		
3.50	58.84	2960.2	2947.9	2936.1	9.98	10.11	10.07	-25.7	-28.3	-57.7	0.01		
3.75	58.50	2975.0	2962.6	2950.9	10.05	10.15	10.09	-24.5	-28.9	-59.8	0.07		
4.00	58.40	2989.8	2977.2	2965.4	10.09	10.19	10.14	-23.6	-29.6	-59.7	0.19		
4.25	57.84	3004.5	2991.8	2979.9	10.13	10.22	10.16	-23.5	-30.1	-62.3	0.36		
4.50	57.15	3019.0	3006.3	2994.3	10.18	10.26	10.19	-23.1	-30.3	-65.5	0.58		
4.75	57.00	3033.5	3020.6	3008.6	10.23	10.32	10.23	-23.6	-31.2	-65.4	0.87		
5.00	55.23	3048.0	3034.8	3022.5	10.28	10.39	10.32	-24.2	-32.4	-69.4	1.20		
5.25	52.44	3062.1	3048.6	3036.2	10.37	10.51	10.43	-24.4	-34.4	-71.5	1.61		
5.50	49.58	3075.5	3061.7	3049.2	10.52	10.65	10.56	-22.6	-33.8	-70.7	2.06		
5.75	46.65	3087.6	3074.1	3061.6	10.71	10.75	10.66	-20.8	-31.9	-70.9	2.65		
6.00	43.94	3098.8	3085.8	3073.4	10.79	10.84	10.69	-19.6	-30.7	-70.9	3.16		