

Voltage Controlled Oscillator

ROS-2770C+

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	30.52	2676.5	2670.8	2666.0	-1.27	-0.99	-0.97	-28.1	-45.6	-39.6	0.35	1	-82
0.3	28.67	2683.9	2678.5	2673.8	-1.05	-0.73	-0.69	-27.5	-45.0	-40.6	0.40	10	-110
0.5	27.63	2691.0	2685.6	2681.0	-0.83	-0.52	-0.48	-26.9	-46.4	-40.7	0.43	100	-133
0.8	27.06	2697.8	2692.6	2688.0	-0.62	-0.31	-0.28	-26.5	-52.6	-41.1	0.45	1000	-151
1.0	26.79	2704.5	2699.3	2694.7	-0.40	-0.12	-0.11	-26.2	-49.8	-41.7	0.47		
1.3	26.78	2711.2	2706.0	2701.4	-0.21	0.07	0.05	-26.2	-49.1	-41.9	0.49		
1.5	27.04	2717.9	2712.7	2708.1	-0.04	0.23	0.20	-26.4	-51.1	-42.6	0.51		
1.8	27.52	2724.7	2719.5	2714.8	0.11	0.34	0.29	-26.1	-50.7	-42.8	0.54		
2.0	28.19	2731.6	2726.4	2721.7	0.28	0.41	0.34	-25.8	-49.1	-42.2	0.57		
2.3	28.95	2738.6	2733.4	2728.8	0.40	0.47	0.37	-25.8	-49.2	-41.7	0.61		
2.5	29.78	2745.8	2740.6	2736.0	0.47	0.48	0.39	-25.8	-45.8	-39.7	0.65		
2.8	30.72	2753.2	2748.1	2743.4	0.49	0.45	0.37	-26.1	-44.4	-39.6	0.69		
3.0	31.49	2760.8	2755.8	2751.1	0.48	0.42	0.34	-26.8	-44.7	-38.3	0.71		
3.3	32.30	2768.7	2763.6	2758.9	0.36	0.38	0.34	-27.3	-41.3	-38.0	0.70		
3.5	33.57	2777.0	2771.7	2766.9	0.23	0.29	0.31	-28.3	-40.4	-36.8	0.66		
3.8	34.13	2785.3	2780.1	2775.2	0.12	0.16	0.26	-29.3	-40.4	-39.0	0.58		
4.0	33.22	2793.7	2788.6	2783.6	-0.02	0.10	0.26	-30.0	-38.5	-36.1	0.39		
4.3	32.41	2802.0	2796.9	2791.9	-0.16	0.06	0.29	-30.5	-37.5	-39.1	0.17		
4.5	31.27	2810.1	2805.0	2799.9	-0.30	0.00	0.30	-31.3	-36.9	-38.9	0.08		
4.8	29.75	2817.9	2812.9	2807.7	-0.42	-0.04	0.29	-32.4	-36.4	-40.9	0.32		
5.0	27.92	2825.4	2820.3	2815.2	-0.50	-0.07	0.30	-33.5	-35.8	-40.3	0.54		
5.3	25.92	2832.3	2827.3	2822.2	-0.61	-0.08	0.32	-34.5	-35.5	-42.5	0.70		
5.5	23.79	2838.8	2833.8	2828.8	-0.70	-0.12	0.31	-35.3	-35.3	-40.9	0.81		
5.8	21.58	2844.8	2839.7	2834.8	-0.81	-0.13	0.30	-35.9	-35.3	-39.9	0.83		
6.0	19.48	2850.5	2845.1	2840.2	-0.99	-0.15	0.30	-36.4	-35.0	-42.3	0.77		
6.3	17.69	2856.1	2850.0	2845.1	-1.11	-0.18	0.29	-37.2	-34.9	-41.7	0.64		
6.5	16.36	2860.8	2854.4	2849.5	-1.01	-0.27	0.26	-38.1	-34.8	-40.9	0.45		
6.8	15.12	2864.5	2858.5	2853.6	-0.89	-0.37	0.19	-39.1	-35.2	-40.8	0.23		
7.0	15.12	2867.8	2862.3	2857.3	-0.80	-0.42	0.12	-39.7	-35.6	-43.5	0.03		

