

Voltage Controlled Oscillator

ROS-2710C-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			
0.00	21.87	2651.8	2644.5	2638.8	2.99	3.19	3.28	-15.0	-33.6	-29.0	0.23	1	-85
0.25	19.75	2656.9	2649.9	2644.6	3.07	3.33	3.41	-14.9	-33.5	-29.3	0.28	10	-110
0.50	18.43	2661.6	2654.9	2649.7	3.13	3.40	3.54	-14.8	-33.6	-29.0	0.30	100	-131
0.75	17.55	2666.1	2659.5	2654.4	3.19	3.47	3.59	-14.8	-33.8	-28.4	0.31	1000	-150
1.00	16.97	2670.4	2663.9	2658.8	3.25	3.53	3.65	-14.9	-33.6	-28.2	0.33		
1.25	16.55	2674.6	2668.1	2663.1	3.30	3.58	3.71	-15.0	-33.5	-28.4	0.33		
1.50	16.24	2678.6	2672.2	2667.2	3.33	3.64	3.77	-15.1	-33.4	-28.5	0.34		
1.75	16.02	2682.7	2676.3	2671.3	3.37	3.68	3.82	-15.1	-33.4	-28.4	0.34		
2.00	15.88	2686.7	2680.3	2675.3	3.40	3.71	3.85	-15.1	-33.5	-28.3	0.35		
2.25	15.83	2690.6	2684.3	2679.3	3.44	3.74	3.88	-15.1	-33.7	-28.5	0.35		
2.50	15.79	2694.6	2688.2	2683.2	3.47	3.77	3.90	-15.1	-33.5	-28.6	0.35		
2.75	15.77	2698.5	2692.2	2687.1	3.50	3.80	3.93	-15.2	-33.6	-28.6	0.36		
3.00	15.81	2702.4	2696.1	2691.0	3.55	3.83	3.95	-15.3	-33.6	-28.8	0.36		
3.25	15.87	2706.4	2700.1	2695.0	3.60	3.85	3.98	-15.5	-34.0	-29.2	0.36		
3.50	15.94	2710.4	2704.0	2698.9	3.64	3.90	4.00	-15.6	-34.3	-29.5	0.37		
3.75	16.03	2714.4	2708.0	2702.8	3.67	3.94	4.04	-15.7	-34.4	-29.8	0.37		
4.00	16.16	2718.4	2712.0	2706.8	3.69	3.98	4.07	-15.8	-34.3	-30.0	0.37		
4.25	16.27	2722.5	2716.1	2710.8	3.69	4.01	4.10	-15.9	-34.3	-29.9	0.38		
4.50	16.41	2726.6	2720.1	2714.8	3.69	4.02	4.12	-16.0	-34.3	-30.0	0.38		
4.75	16.58	2730.7	2724.2	2718.9	3.69	4.01	4.13	-16.0	-34.2	-30.4	0.38		
5.00	16.81	2734.9	2728.4	2723.0	3.69	4.02	4.12	-16.1	-34.0	-30.6	0.39		
5.25	16.99	2739.1	2732.6	2727.1	3.66	4.02	4.12	-16.2	-33.9	-30.6	0.40		
5.50	17.15	2743.4	2736.8	2731.3	3.63	4.00	4.11	-16.3	-33.7	-30.5	0.40		
5.75	17.41	2747.8	2741.1	2735.6	3.60	3.97	4.09	-16.5	-33.1	-30.6	0.41		
6.00	17.70	2752.2	2745.5	2739.9	3.59	3.93	4.05	-16.6	-32.6	-30.9	0.41		
6.25	17.94	2756.7	2749.9	2744.2	3.59	3.89	4.00	-16.6	-32.4	-30.9	0.42		
6.50	18.16	2761.3	2754.4	2748.6	3.59	3.88	3.93	-16.7	-32.3	-31.2	0.43		
6.75	18.42	2765.9	2758.9	2753.1	3.62	3.87	3.88	-16.8	-32.2	-31.2	0.44		
7.00	18.42	2770.5	2763.5	2757.6	3.64	3.86	3.85	-16.9	-32.4	-31.3	0.45		