

Voltage Controlled Oscillator

ROS-2729C+

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	31.59	2433.20	2427.20	2424.33	-2.20	-2.43	-3.32	-18.86	-20.85	-36.96	0.25	1	-80
0.5	28.45	2448.58	2442.99	2440.09	-1.96	-2.13	-2.78	-18.38	-21.98	-32.14	0.17	10	-108
1.0	27.24	2462.73	2457.21	2454.21	-1.73	-1.91	-2.46	-18.23	-22.70	-29.92	0.14	100	-129
1.5	26.86	2476.38	2470.83	2467.72	-1.47	-1.66	-2.16	-17.53	-23.23	-29.48	0.14	1000	-149
2.0	26.92	2489.90	2484.26	2481.03	-1.31	-1.44	-1.90	-16.87	-23.76	-29.60	0.14		
2.5	27.24	2503.51	2497.72	2494.35	-1.20	-1.26	-1.69	-16.84	-24.67	-29.04	0.15		
3.0	27.69	2517.26	2511.34	2507.83	-1.12	-1.19	-1.56	-17.09	-25.02	-30.10	0.15		
3.5	28.28	2531.29	2525.19	2521.53	-0.99	-1.09	-1.46	-16.60	-25.68	-31.28	0.16		
4.0	28.87	2545.58	2539.33	2535.53	-0.80	-0.96	-1.34	-16.16	-26.89	-31.80	0.16		
4.5	29.44	2560.16	2553.76	2549.81	-0.56	-0.77	-1.16	-16.56	-27.69	-31.91	0.16		
5.0	30.06	2575.05	2568.49	2564.38	-0.34	-0.55	-0.92	-16.33	-29.27	-31.40	0.16		
5.5	30.80	2590.30	2583.52	2579.26	-0.17	-0.35	-0.71	-15.82	-29.79	-31.10	0.16		
6.0	31.39	2605.87	2598.92	2594.49	-0.07	-0.23	-0.54	-16.06	-30.79	-29.83	0.15		
6.5	32.14	2621.77	2614.61	2610.03	0.03	-0.13	-0.42	-16.29	-31.82	-28.86	0.14		
7.0	32.80	2638.07	2630.68	2625.92	0.11	-0.09	-0.38	-15.90	-32.11	-29.04	0.13		
7.5	33.41	2654.64	2647.08	2642.18	0.26	0.00	-0.32	-15.70	-33.53	-27.75	0.11		
8.0	33.89	2671.51	2663.78	2658.73	0.52	0.14	-0.19	-16.59	-33.99	-26.37	0.09		
8.5	34.43	2688.63	2680.73	2675.54	0.74	0.37	0.05	-16.09	-34.81	-26.55	0.06		
9.0	34.90	2706.02	2697.94	2692.61	0.85	0.53	0.22	-16.02	-35.28	-26.95	0.04		
9.5	35.43	2723.65	2715.39	2709.93	0.89	0.61	0.33	-16.99	-36.61	-25.32	0.02		
10.0	35.81	2741.51	2733.11	2727.51	0.92	0.59	0.32	-16.35	-36.83	-23.56	0.00		
10.5	36.10	2759.51	2751.01	2745.32	0.99	0.54	0.27	-15.88	-37.32	-23.07	0.01		
11.0	36.00	2777.60	2769.06	2763.29	1.27	0.68	0.34	-16.97	-37.85	-23.47	0.00		
11.5	35.87	2795.60	2787.06	2781.29	1.51	0.94	0.57	-16.57	-38.79	-22.69	0.04		
12.0	35.65	2813.58	2805.00	2799.20	1.43	0.99	0.69	-16.72	-38.75	-23.32	0.11		
12.5	35.14	2831.39	2822.82	2817.04	1.33	0.85	0.58	-17.62	-39.33	-23.50	0.23		
13.0	34.22	2848.86	2840.39	2834.65	1.34	0.71	0.39	-17.07	-39.95	-23.12	0.38		
13.5	32.77	2865.98	2857.50	2851.79	1.41	0.68	0.31	-17.27	-41.16	-24.84	0.57		
14.0	32.77	2882.11	2873.89	2868.37	1.65	0.80	0.34	-17.87	-40.68	-23.67	0.77		

