

Voltage Controlled Oscillator

ROS-2632C+

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	32.51	2373.01	2367.04	2362.14	-0.82	-1.19	-1.74	-15.14	-13.86	-50.00	0.51	1	-82
0.5	28.89	2388.74	2383.29	2378.92	-0.55	-0.80	-1.42	-15.10	-13.84	-49.00	0.37	10	-108
1.0	27.49	2402.95	2397.74	2393.47	-0.43	-0.72	-1.27	-14.93	-14.28	-49.49	0.31	100	-130
1.5	26.93	2416.63	2411.48	2407.16	-0.39	-0.71	-1.19	-14.74	-16.41	-50.00	0.29	1000	-149
2.0	26.76	2430.15	2424.95	2420.55	-0.46	-0.71	-1.15	-14.97	-16.92	-50.03	0.26		
2.5	26.79	2443.57	2438.33	2433.82	-0.40	-0.64	-1.13	-15.40	-17.48	-50.37	0.23		
3.0	26.88	2457.09	2451.73	2447.04	-0.37	-0.61	-1.05	-15.11	-19.00	-49.97	0.21		
3.5	27.15	2470.67	2465.17	2460.39	-0.30	-0.52	-0.96	-14.95	-19.42	-49.88	0.19		
4.0	27.52	2484.36	2478.74	2473.83	-0.21	-0.40	-0.88	-15.41	-19.92	-50.37	0.17		
4.5	27.84	2498.26	2492.50	2487.43	-0.17	-0.35	-0.80	-15.79	-21.76	-49.46	0.15		
5.0	28.32	2512.34	2506.42	2501.25	-0.21	-0.33	-0.73	-15.86	-21.60	-49.33	0.13		
5.5	28.72	2526.63	2520.58	2515.24	-0.16	-0.32	-0.75	-15.72	-22.92	-48.09	0.10		
6.0	29.15	2541.17	2534.94	2529.46	-0.11	-0.26	-0.70	-16.06	-23.55	-48.03	0.07		
6.5	29.47	2555.90	2549.52	2543.91	0.02	-0.17	-0.64	-16.08	-24.87	-48.51	0.05		
7.0	29.91	2570.77	2564.25	2558.56	0.16	-0.02	-0.53	-15.82	-25.79	-49.33	0.02		
7.5	30.20	2585.88	2579.21	2573.37	0.28	0.08	-0.43	-16.08	-26.91	-49.17	0.01		
8.0	30.55	2601.13	2594.30	2588.41	0.33	0.18	-0.34	-16.33	-28.14	-49.66	0.03		
8.5	30.94	2616.58	2609.58	2603.61	0.34	0.22	-0.29	-16.25	-28.47	-49.20	0.06		
9.0	31.24	2632.16	2625.05	2619.00	0.36	0.20	-0.30	-16.51	-29.64	-48.81	0.09		
9.5	31.57	2647.93	2640.67	2634.56	0.40	0.19	-0.37	-16.82	-29.70	-48.55	0.12		
10.0	31.75	2663.82	2656.45	2650.31	0.49	0.22	-0.39	-16.84	-30.28	-47.00	0.14		
10.5	31.83	2679.78	2672.33	2666.19	0.68	0.35	-0.37	-17.26	-30.93	-46.63	0.16		
11.0	31.96	2695.76	2688.24	2682.15	0.77	0.45	-0.28	-17.59	-32.00	-46.22	0.16		
11.5	31.89	2711.81	2704.22	2698.17	0.79	0.49	-0.26	-18.29	-33.26	-46.66	0.16		
12.0	31.77	2727.75	2720.16	2714.23	0.72	0.44	-0.32	-18.50	-34.56	-47.23	0.11		
12.5	31.56	2743.70	2736.05	2730.24	0.61	0.31	-0.49	-19.23	-36.13	-46.58	0.04		
13.0	30.68	2759.46	2751.83	2746.12	0.62	0.20	-0.72	-19.63	-39.37	-46.09	0.06		
13.5	29.41	2774.81	2767.17	2761.64	0.76	0.27	-0.81	-20.15	-41.68	-46.22	0.22		
14.0	29.41	2789.47	2781.88	2776.56	0.91	0.40	-0.82	-21.21	-44.48	-46.65	0.38		