

# Voltage Controlled Oscillator

# ROS-2600C+

## 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	38.69	2046.1	2041.4	2036.9	6.86	5.99	5.45	-24.6	-27.3	-32.8	1.65	1	-78
0.5	37.64	2065.5	2060.7	2056.5	6.48	5.89	5.45	-28.3	-28.2	-39.3	1.83	10	-105
1.0	38.41	2084.4	2079.5	2075.3	6.15	5.73	5.35	-30.6	-27.1	-46.3	1.56	100	-126
1.5	40.38	2103.9	2098.7	2094.2	5.97	5.68	5.36	-30.0	-27.0	-42.8	1.39	1000	-146
2.0	42.64	2124.4	2118.9	2114.1	5.79	5.58	5.33	-28.1	-27.3	-42.1	1.29		
2.5	44.30	2145.9	2140.2	2135.2	5.68	5.49	5.24	-27.4	-26.6	-42.6	1.18		
3.0	45.75	2168.3	2162.4	2157.2	5.75	5.56	5.23	-28.2	-27.4	-42.4	1.10		
3.5	47.02	2191.5	2185.3	2180.0	5.90	5.71	5.32	-28.4	-27.2	-42.2	1.02		
4.0	48.43	2215.4	2208.8	2203.2	6.03	5.86	5.42	-29.7	-26.7	-43.3	0.94		
4.5	48.88	2239.9	2233.0	2227.2	6.04	5.87	5.39	-30.6	-27.6	-44.2	0.85		
5.0	48.70	2264.5	2257.4	2251.6	6.16	5.92	5.29	-32.0	-27.6	-44.9	0.77		
5.5	48.61	2289.1	2281.8	2275.8	6.39	6.12	5.36	-33.1	-27.1	-45.8	0.70		
6.0	48.67	2313.8	2306.1	2299.9	6.56	6.31	5.48	-34.6	-27.0	-48.6	0.64		
6.5	48.67	2338.5	2330.4	2324.0	6.62	6.41	5.51	-35.7	-27.1	-49.9	0.58		
7.0	47.50	2363.0	2354.8	2348.3	6.75	6.44	5.40	-36.7	-25.3	-51.5	0.51		
7.5	46.57	2386.9	2378.5	2371.9	7.04	6.66	5.59	-37.2	-25.1	-53.8	0.45		
8.0	46.48	2410.5	2401.8	2395.0	7.21	6.92	5.94	-38.7	-25.6	-56.9	0.41		
8.5	46.19	2434.1	2425.0	2417.9	7.21	6.99	6.05	-38.5	-23.9	-58.9	0.35		
9.0	44.71	2457.2	2448.1	2440.9	7.30	6.97	6.01	-38.9	-23.6	-59.3	0.27		
9.5	43.67	2479.7	2470.5	2463.3	7.53	7.12	6.18	-38.7	-22.9	-59.8	0.24		
10.0	43.36	2501.7	2492.3	2484.9	7.70	7.35	6.50	-38.0	-22.0	-55.9	0.19		
10.5	42.82	2523.7	2514.0	2506.3	7.73	7.41	6.67	-37.8	-21.5	-55.4	0.14		
11.0	41.82	2545.2	2535.4	2527.6	7.80	7.42	6.70	-36.8	-21.5	-56.1	0.11		
11.5	40.60	2566.2	2556.3	2548.4	7.92	7.48	6.79	-36.5	-21.7	-56.5	0.07		
12.0	39.20	2586.6	2576.6	2568.6	8.06	7.59	6.91	-36.1	-24.0	-55.6	0.06		
12.5	38.04	2606.2	2596.2	2588.2	8.13	7.75	7.06	-35.7	-24.6	-57.1	0.07		
13.0	36.76	2625.3	2615.2	2607.2	8.18	7.79	7.18	-35.7	-27.2	-59.9	0.11		
13.5	35.11	2643.6	2633.6	2625.6	8.21	7.85	7.26	-35.0	-28.7	-63.8	0.19		
14.0	33.10	2661.1	2651.2	2643.2	8.26	7.90	7.33	-34.2	-30.6	-64.9	0.29		
14.5	30.84	2677.5	2667.7	2659.8	8.34	7.96	7.40	-34.4	-29.9	-71.1	0.42		
15.0	28.25	2692.7	2683.1	2675.4	8.50	8.07	7.48	-33.0	-29.5	-82.0	0.54		
15.5	25.85	2706.9	2697.3	2689.7	8.61	8.19	7.63	-32.4	-28.7	-76.9	0.65		
16.0	23.32	2719.8	2710.2	2702.6	8.68	8.30	7.75	-32.7	-28.6	-69.5	0.72		
16.5	20.99	2731.6	2721.8	2714.2	8.64	8.35	7.86	-32.6	-28.6	-66.6	0.75		
17.0	18.54	2742.2	2732.3	2724.6	8.60	8.33	7.87	-31.5	-28.4	-63.1	0.73		
17.5	16.17	2751.5	2741.6	2733.7	8.62	8.30	7.85	-30.5	-28.7	-61.8	0.65		
18.0	16.17	2759.5	2749.7	2741.8	8.65	8.29	7.83	-30.0	-28.8	-60.7	0.55		

