

# Voltage Controlled Oscillator

# ROS-2920C-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	11.39	2741.8	2738.3	2735.4	3.49	3.22	2.65	-17.67	-46.76	-39.83	0.36	1	-86
0.50	9.77	2747.3	2744.0	2741.3	3.58	3.31	2.73	-17.82	-48.80	-40.23	0.40	10	-113
1.00	9.06	2752.1	2748.9	2746.3	3.64	3.38	2.80	-17.74	-51.62	-40.67	0.43	100	-134
1.50	8.72	2756.6	2753.4	2750.9	3.67	3.42	2.86	-17.75	-52.48	-41.67	0.44	1000	-153
2.00	8.59	2760.9	2757.8	2755.3	3.70	3.45	2.89	-17.86	-52.05	-40.93	0.46		
2.50	8.57	2765.2	2762.1	2759.6	3.71	3.48	2.92	-18.03	-49.40	-40.33	0.47		
3.00	8.67	2769.5	2766.3	2763.8	3.71	3.50	2.95	-18.08	-48.70	-41.74	0.48		
3.50	8.83	2773.8	2770.7	2768.1	3.69	3.50	2.96	-18.01	-51.07	-43.09	0.49		
4.00	9.03	2778.2	2775.1	2772.5	3.64	3.49	2.96	-17.63	-53.94	-42.08	0.50		
4.50	9.26	2782.8	2779.6	2777.0	3.57	3.43	2.93	-17.30	-55.74	-40.86	0.51		
5.00	9.54	2787.4	2784.2	2781.6	3.47	3.36	2.88	-16.63	-55.84	-41.66	0.51		
5.50	9.86	2792.2	2789.0	2786.3	3.36	3.27	2.80	-16.14	-52.68	-43.22	0.52		
6.00	10.20	2797.2	2793.9	2791.2	3.23	3.16	2.70	-15.74	-52.65	-41.94	0.53		
6.50	10.57	2802.3	2799.0	2796.3	3.10	3.04	2.58	-15.44	-53.36	-41.37	0.53		
7.00	10.98	2807.6	2804.3	2801.6	2.99	2.92	2.46	-15.23	-54.69	-43.35	0.54		
7.50	11.40	2813.1	2809.8	2807.0	2.89	2.80	2.34	-15.07	-53.23	-43.56	0.54		
8.00	11.86	2818.8	2815.5	2812.7	2.79	2.70	2.22	-14.98	-53.52	-42.98	0.55		
8.50	12.33	2824.8	2821.4	2818.6	2.73	2.61	2.11	-14.94	-53.41	-43.99	0.55		
9.00	12.81	2831.0	2827.6	2824.7	2.75	2.57	2.03	-14.86	-53.21	-43.34	0.55		
9.50	13.29	2837.4	2834.0	2831.1	2.82	2.61	2.04	-14.63	-50.46	-43.86	0.55		
10.00	13.74	2844.1	2840.7	2837.6	2.92	2.68	2.10	-14.14	-49.46	-44.47	0.55		
10.50	14.17	2851.0	2847.5	2844.5	3.04	2.80	2.19	-13.80	-49.42	-43.56	0.54		
11.00	14.53	2858.2	2854.6	2851.5	3.24	2.98	2.34	-13.92	-49.63	-46.09	0.52		
11.50	14.80	2865.5	2861.9	2858.7	3.44	3.19	2.56	-14.41	-48.78	-46.09	0.49		
12.00	14.92	2873.0	2869.3	2866.1	3.65	3.41	2.79	-14.61	-46.54	-46.18	0.45		
12.50	14.93	2880.5	2876.7	2873.5	3.82	3.61	3.02	-14.59	-46.21	-48.79	0.41		
13.50	14.54	2895.5	2891.6	2888.2	4.02	3.90	3.35	-14.33	-46.55	-49.44	0.31		
14.00	14.13	2902.8	2898.9	2895.4	4.05	3.97	3.46	-14.20	-44.98	-48.98	0.27		
15.00	13.07	2916.8	2912.7	2909.2	4.01	3.96	3.49	-14.05	-44.34	-48.28	0.23		
15.50	12.49	2923.4	2919.3	2915.7	3.99	3.94	3.47	-14.11	-45.39	-48.49	0.23		
16.50	11.39	2935.8	2931.5	2927.8	3.93	3.88	3.43	-13.95	-46.03	-48.10	0.26		
17.00	10.89	2941.6	2937.2	2933.4	3.90	3.85	3.39	-13.67	-46.94	-48.54	0.29		
18.00	10.02	2952.4	2947.8	2944.0	3.86	3.81	3.34	-13.08	-47.09	-47.95	0.34		
18.50	9.64	2957.4	2952.9	2948.9	3.83	3.79	3.32	-12.93	-47.42	-48.62	0.37		
19.50	8.99	2967.0	2962.3	2958.3	3.76	3.73	3.28	-12.93	-51.90	-49.45	0.41		
20.00	8.99	2971.6	2966.8	2962.8	3.74	3.70	3.25	-12.99	-49.69	-49.08	0.42		

