

# Voltage Controlled Oscillator

# ROS-2960C-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	43.11	2412.7	2409.1	2405.7	6.73	5.44	4.08	-20.67	-28.89	-65.93	1.08	1	-79.2
0.50	36.89	2433.9	2430.6	2427.3	6.72	5.48	4.23	-22.67	-30.87	-65.32	0.67	10	-106.2
1.00	35.95	2452.6	2449.1	2445.7	6.65	5.56	4.44	-23.60	-33.79	-63.96	0.53	100	-127.6
1.50	34.83	2470.8	2467.1	2463.4	6.46	5.53	4.51	-24.80	-36.54	-61.56	0.43	1000	-146.9
2.00	35.01	2488.6	2484.5	2480.8	6.44	5.61	4.59	-25.29	-41.23	-59.61	0.36		
2.50	34.13	2506.5	2502.0	2497.7	6.39	5.63	4.70	-25.38	-56.18	-56.76	0.28		
3.00	34.53	2524.0	2519.1	2514.7	6.52	5.84	4.92	-26.14	-58.93	-55.97	0.29		
3.50	34.92	2541.4	2536.3	2531.8	6.74	6.07	5.13	-25.65	-53.21	-57.84	0.26		
4.00	35.63	2559.0	2553.8	2548.9	6.96	6.27	5.35	-25.61	-43.74	-57.08	0.23		
4.50	35.62	2577.3	2571.6	2566.3	7.04	6.38	5.54	-25.38	-44.96	-56.05	0.21		
5.00	36.27	2595.2	2589.4	2584.2	7.27	6.63	5.72	-25.52	-45.29	-55.99	0.20		
5.50	36.92	2613.3	2607.5	2602.1	7.51	6.80	5.85	-25.75	-44.44	-54.68	0.14		
6.00	37.13	2632.1	2626.0	2620.4	7.62	6.94	6.03	-25.14	-44.24	-55.43	0.12		
6.50	37.88	2650.8	2644.6	2639.0	7.84	7.13	6.16	-25.68	-46.67	-55.77	0.08		
7.00	38.50	2669.9	2663.5	2657.8	7.97	7.26	6.31	-25.25	-43.87	-55.65	0.04		
7.50	38.49	2689.2	2682.7	2676.9	8.16	7.41	6.46	-25.95	-42.31	-57.06	0.03		
8.00	38.81	2708.7	2702.0	2696.1	8.33	7.59	6.64	-25.71	-42.87	-57.74	0.08		
8.50	39.34	2728.1	2721.4	2715.5	8.46	7.73	6.80	-25.68	-42.99	-59.56	0.12		
9.00	38.82	2747.9	2741.1	2735.1	8.59	7.85	6.90	-25.70	-42.62	-59.86	0.18		
9.50	39.38	2767.3	2760.5	2754.8	8.76	8.00	7.03	-25.94	-42.51	-59.32	0.21		
10.00	40.06	2787.1	2780.2	2774.3	8.81	8.07	7.15	-25.58	-44.54	-60.29	0.27		
10.50	40.20	2807.0	2800.2	2794.4	8.85	8.10	7.22	-26.20	-45.05	-62.53	0.29		
11.00	40.27	2826.9	2820.3	2814.5	8.84	8.08	7.22	-26.26	-47.91	-65.56	0.28		
11.50	40.74	2847.1	2840.4	2834.6	8.71	7.99	7.22	-26.56	-50.16	-66.83	0.23		
12.00	41.15	2867.8	2860.8	2854.7	8.46	7.87	7.20	-27.46	-53.84	-64.09	0.18		
12.50	41.69	2889.0	2881.4	2874.9	8.12	7.70	7.12	-29.18	-59.76	-61.14	0.12		
13.00	41.00	2910.5	2902.2	2895.3	7.80	7.49	7.00	-31.57	-61.18	-57.46	0.08		
13.50	39.63	2931.3	2922.7	2915.6	7.60	7.36	6.90	-34.72	-64.76	-53.98	0.05		
14.00	38.77	2951.7	2942.5	2935.2	7.45	7.28	6.83	-37.19	-66.20	-51.11	0.00		
14.50	36.95	2971.4	2961.9	2954.3	7.38	7.20	6.75	-40.75	-61.50	-47.60	0.06		
15.00	34.59	2990.1	2980.4	2972.8	7.35	7.15	6.71	-36.69	-66.19	-65.56	0.16		
15.50	31.47	3007.4	2997.7	2990.2	7.41	7.17	6.67	-34.23	-60.07	-46.33	0.26		
16.00	28.33	3022.9	3013.4	3006.1	7.47	7.21	6.69	-31.64	-67.07	-51.25	0.38		
16.50	25.46	3037.4	3027.6	3020.4	7.50	7.22	6.74	-29.31	-65.45	-54.54	0.50		
17.00	22.35	3050.1	3040.3	3033.1	7.54	7.24	6.72	-28.94	-66.54	-52.60	0.52		
17.50	18.96	3061.0	3051.5	3044.2	7.53	7.23	6.72	-28.35	-64.54	-55.82	0.46		
18.00	18.96	3070.5	3061.0	3053.8	7.44	7.21	6.74	-27.52	-65.39	-53.86	0.41		