

Voltage Controlled Oscillator

ROS-3060C-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	10.48	2899.6	2895.0	2892.3	3.73	2.69	1.98	-19.22	-57.01	-49.15	0.33	1	-84.1
0.25	9.74	2902.1	2897.7	2895.0	3.76	2.72	2.03	-19.12	-57.19	-49.28	0.36	10	-111.3
1.00	8.33	2909.0	2904.8	2902.2	3.81	2.81	2.15	-19.06	-62.41	-48.57	0.41	100	-132.2
1.50	8.00	2913.1	2909.0	2906.4	3.84	2.86	2.21	-19.12	-60.24	-47.97	0.43	1000	-152.2
2.00	7.86	2917.1	2913.0	2910.4	3.86	2.89	2.25	-19.15	-56.42	-47.12	0.45		
2.50	7.84	2921.0	2916.9	2914.3	3.88	2.92	2.28	-19.16	-55.26	-47.91	0.46		
3.00	7.89	2924.9	2920.8	2918.2	3.89	2.95	2.31	-19.13	-55.69	-47.93	0.48		
3.50	8.00	2928.8	2924.8	2922.2	3.92	2.97	2.34	-19.03	-58.58	-47.07	0.49		
4.00	8.14	2932.8	2928.8	2926.1	3.94	3.01	2.36	-18.96	-55.07	-46.68	0.50		
4.50	8.30	2936.9	2932.9	2930.2	3.97	3.04	2.40	-18.77	-51.27	-47.19	0.51		
5.00	8.50	2941.0	2937.0	2934.3	3.98	3.08	2.44	-18.58	-49.42	-46.88	0.52		
5.50	8.71	2945.2	2941.3	2938.5	3.99	3.10	2.47	-18.38	-48.84	-46.75	0.52		
6.00	8.97	2949.5	2945.6	2942.9	3.99	3.13	2.50	-18.27	-50.69	-47.20	0.53		
6.50	9.25	2954.0	2950.1	2947.3	4.00	3.14	2.53	-18.29	-50.81	-47.46	0.53		
7.00	9.57	2958.6	2954.7	2951.9	3.99	3.15	2.54	-18.41	-49.38	-46.79	0.53		
7.50	9.91	2963.3	2959.5	2956.7	4.00	3.15	2.55	-18.54	-47.44	-45.52	0.53		
8.00	10.28	2968.2	2964.5	2961.7	4.00	3.15	2.56	-18.58	-47.06	-44.91	0.52		
8.50	10.68	2973.3	2969.6	2966.8	4.00	3.15	2.57	-18.45	-49.02	-46.10	0.52		
9.00	11.10	2978.5	2974.9	2972.1	3.98	3.16	2.59	-18.08	-49.17	-46.27	0.52		
9.50	11.55	2984.0	2980.5	2977.6	3.95	3.14	2.59	-17.62	-47.88	-45.31	0.51		
10.00	12.02	2989.7	2986.3	2983.4	3.92	3.11	2.57	-17.40	-47.57	-43.91	0.50		
10.50	12.49	2995.6	2992.3	2989.4	3.88	3.08	2.56	-17.12	-49.78	-43.30	0.49		
11.00	12.95	3001.7	2998.5	2995.6	3.82	3.05	2.51	-16.86	-51.80	-43.42	0.48		
11.50	13.35	3008.1	3005.0	3002.1	3.73	2.96	2.46	-16.70	-49.68	-43.58	0.43		
12.00	13.60	3014.6	3011.7	3008.8	3.67	2.87	2.39	-16.74	-48.90	-43.01	0.41		
12.50	13.65	3021.2	3018.5	3015.6	3.63	2.82	2.34	-16.68	-52.04	-42.67	0.35		
13.00	13.50	3027.9	3025.3	3022.4	3.63	2.80	2.33	-16.76	-53.85	-44.08	0.30		
13.50	13.18	3034.5	3032.1	3029.1	3.64	2.82	2.34	-16.50	-52.89	-45.13	0.23		
14.00	12.76	3040.9	3038.6	3035.7	3.65	2.85	2.38	-16.14	-53.81	-43.47	0.16		
15.00	11.59	3053.2	3051.1	3048.2	3.66	2.89	2.43	-15.66	-57.47	-43.37	0.05		
15.50	10.90	3058.8	3056.9	3054.0	3.66	2.92	2.45	-15.64	-56.81	-44.05	0.03		
16.50	9.55	3069.3	3067.5	3064.5	3.59	2.90	2.45	-15.82	-72.62	-42.32	0.03		
17.00	8.98	3074.0	3072.3	3069.3	3.51	2.86	2.41	-15.93	-64.12	-42.21	0.06		
18.00	8.14	3082.8	3081.0	3078.1	3.37	2.73	2.25	-15.87	-73.66	-43.99	0.13		
18.50	7.66	3086.7	3085.1	3082.2	3.34	2.65	2.19	-15.70	-69.05	-43.66	0.17		
19.50	6.41	3093.8	3092.4	3089.4	3.34	2.61	2.25	-15.3	-61.9	-43.2	0.22		
20.00	6.41	3097.0	3095.6	3092.5	3.35	2.64	2.30	-15.1	-63.2	-43.3	0.23		

