

Voltage Controlled Oscillator

ROS-EDR5915/1

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			
0.3	14.85	2912.9	2906.0	2897.1	0.93	0.42	-0.77	-23.9	-25.0	-56.7	-1.84	1	-82
0.5	13.88	2916.2	2909.5	2900.7	0.99	0.47	-0.73	-23.9	-25.4	-57.7	-1.85	10	-106
0.8	13.39	2919.5	2912.8	2904.0	1.04	0.53	-0.67	-23.9	-25.6	-58.1	-1.85	100	-126
1.0	13.23	2922.7	2916.1	2907.3	1.07	0.59	-0.62	-23.8	-25.3	-57.9	-1.85	1000	-144
1.3	13.26	2925.9	2919.4	2910.6	1.11	0.64	-0.57	-23.7	-24.7	-58.7	-1.85		
1.5	13.42	2929.2	2922.8	2913.9	1.14	0.69	-0.51	-23.6	-24.3	-59.0	-1.85		
1.8	13.67	2932.5	2926.2	2917.3	1.17	0.74	-0.45	-23.7	-24.2	-59.3	-1.85		
2.0	14.01	2936.0	2929.7	2920.7	1.20	0.79	-0.40	-23.8	-24.1	-58.8	-1.85		
2.3	14.42	2939.6	2933.3	2924.3	1.23	0.85	-0.34	-23.9	-23.9	-59.9	-1.84		
2.5	14.88	2943.3	2937.0	2927.9	1.26	0.90	-0.29	-23.9	-23.9	-60.0	-1.84		
2.8	15.33	2947.1	2940.9	2931.7	1.30	0.96	-0.24	-23.8	-24.0	-61.2	-1.84		
3.0	15.75	2951.1	2944.8	2935.6	1.36	1.03	-0.19	-23.7	-24.4	-60.6	-1.83		
3.3	16.16	2955.2	2948.9	2939.5	1.42	1.09	-0.13	-23.7	-24.7	-61.2	-1.83		
3.5	16.56	2959.3	2953.0	2943.6	1.48	1.15	-0.07	-23.7	-24.7	-60.6	-1.83		
3.8	16.90	2963.5	2957.2	2947.8	1.54	1.21	0.00	-23.6	-24.9	-61.4	-1.83		
4.0	17.12	2967.7	2961.5	2952.0	1.60	1.28	0.07	-23.6	-25.3	-60.5	-1.81		
4.3	17.26	2972.0	2965.8	2956.2	1.66	1.34	0.13	-23.4	-25.5	-62.7	-1.80		
4.5	17.30	2976.2	2970.1	2960.5	1.70	1.40	0.19	-23.2	-25.6	-62.9	-1.78		
4.8	17.32	2980.5	2974.5	2964.8	1.73	1.46	0.25	-23.1	-25.6	-63.2	-1.77		
5.0	17.25	2984.7	2978.8	2969.2	1.75	1.51	0.32	-23.0	-26.1	-63.6	-1.75		
5.3	17.14	2988.9	2983.1	2973.4	1.77	1.56	0.37	-22.9	-26.7	-63.4	-1.73		
5.5	16.99	2993.1	2987.3	2977.7	1.78	1.60	0.42	-22.8	-27.0	-63.4	-1.72		
5.8	16.84	2997.3	2991.5	2981.9	1.81	1.64	0.45	-22.9	-27.4	-64.5	-1.70		
6.0	16.68	3001.5	2995.7	2986.1	1.84	1.68	0.50	-23.0	-27.9	-64.9	-1.68		
6.3	16.57	3005.5	2999.8	2990.2	1.87	1.72	0.54	-23.3	-28.2	-64.7	-1.67		
6.5	16.45	3009.6	3003.9	2994.3	1.90	1.77	0.58	-23.6	-28.5	-63.0	-1.65		
6.8	16.32	3013.6	3008.0	2998.3	1.92	1.81	0.62	-23.8	-28.7	-64.6	-1.64		
7.0	16.13	3017.5	3012.1	3002.3	1.93	1.85	0.67	-23.9	-29.1	-64.4	-1.62		
7.3	15.98	3021.5	3016.1	3006.3	1.94	1.89	0.71	-23.9	-29.5	-65.8	-1.60		
7.5	15.85	3025.4	3020.0	3010.2	1.95	1.93	0.76	-23.8	-29.8	-64.9	-1.58		
7.8	15.68	3029.2	3023.9	3014.1	1.97	1.96	0.80	-23.7	-30.0	-66.8	-1.56		
8.0	15.50	3033.1	3027.8	3017.9	1.98	1.99	0.83	-23.5	-30.6	-66.3	-1.54		
8.3	15.35	3036.9	3031.6	3021.7	2.01	2.02	0.86	-23.5	-31.3	-66.2	-1.51		
8.5	15.22	3040.7	3035.5	3025.5	2.03	2.05	0.88	-23.6	-32.0	-63.8	-1.49		
8.8	15.15	3044.4	3039.2	3029.3	2.05	2.09	0.90	-23.7	-32.3	-64.8	-1.48		
9.0	15.06	3048.1	3043.0	3033.1	2.07	2.13	0.92	-23.8	-32.5	-66.2	-1.46		
9.3	14.97	3051.8	3046.7	3036.7	2.08	2.16	0.95	-23.8	-32.6	-65.5	-1.44		
9.8	14.80	3059.0	3054.2	3044.0	2.11	2.21	1.02	-23.6	-32.1	-65.9	-1.41		
10.0	14.67	3062.6	3057.8	3047.6	2.12	2.24	1.06	-23.6	-31.7	-65.7	-1.39		