

Voltage Controlled Oscillator

ROS-EDR5915

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	14.74	2912.9	2902.9	2893.9	0.93	-0.20	-1.06	-23.4	-27.6	-63.8	0.74	1	-83
0.5	13.97	2916.2	2906.3	2897.3	0.99	-0.18	-1.02	-23.2	-27.3	-64.1	0.71	10	-105
0.8	13.61	2919.5	2909.7	2900.6	1.04	-0.13	-0.99	-23.1	-26.9	-62.9	0.65	100	-127
1.0	13.30	2922.7	2913.1	2903.8	1.07	-0.06	-0.96	-23.1	-26.8	-65.0	0.61	1000	-145
1.3	13.11	2925.9	2916.4	2907.0	1.11	0.00	-0.94	-23.1	-26.8	-65.3	0.59		
1.5	13.14	2929.2	2919.6	2910.2	1.14	0.06	-0.93	-23.1	-26.7	-63.7	0.58		
1.8	13.35	2932.5	2923.0	2913.5	1.17	0.11	-0.90	-23.1	-26.6	-65.2	0.57		
2.0	13.64	2936.0	2926.4	2916.9	1.20	0.15	-0.87	-23.1	-26.5	-65.6	0.57		
2.3	13.94	2939.6	2929.9	2920.4	1.23	0.19	-0.83	-23.1	-26.6	-64.3	0.57		
2.5	14.30	2943.3	2933.4	2924.0	1.26	0.22	-0.80	-23.0	-26.6	-65.8	0.58		
2.8	14.82	2947.1	2937.2	2927.7	1.30	0.26	-0.75	-22.9	-26.6	-67.2	0.58		
3.0	15.33	2951.1	2941.0	2931.5	1.36	0.30	-0.72	-22.9	-26.6	-66.1	0.57		
3.3	15.70	2955.2	2944.9	2935.3	1.42	0.34	-0.68	-22.9	-26.8	-67.9	0.58		
3.5	16.09	2959.3	2948.9	2939.3	1.48	0.37	-0.66	-22.9	-27.1	-66.6	0.58		
3.8	16.43	2963.5	2953.0	2943.3	1.54	0.41	-0.62	-22.8	-27.5	-67.1	0.57		
4.0	16.55	2967.7	2957.2	2947.4	1.60	0.45	-0.58	-22.8	-28.2	-67.8	0.56		
4.3	16.64	2972.0	2961.3	2951.6	1.66	0.47	-0.54	-22.7	-28.3	-66.5	0.56		
4.5	16.78	2976.2	2965.5	2955.8	1.70	0.50	-0.50	-22.6	-28.0	-67.9	0.56		
4.8	16.85	2980.5	2969.7	2960.0	1.73	0.54	-0.47	-22.5	-27.9	-68.1	0.55		
5.0	16.72	2984.7	2973.9	2964.2	1.75	0.56	-0.43	-22.4	-28.2	-67.0	0.54		
5.3	16.61	2988.9	2978.1	2968.3	1.77	0.59	-0.41	-22.4	-28.4	-70.2	0.54		
5.5	16.48	2993.1	2982.2	2972.4	1.78	0.61	-0.39	-22.5	-28.7	-68.7	0.54		
5.8	16.26	2997.3	2986.3	2976.5	1.81	0.63	-0.37	-22.6	-29.2	-70.0	0.55		
6.0	16.13	3001.5	2990.3	2980.5	1.84	0.65	-0.35	-22.7	-29.5	-67.4	0.56		
6.3	16.14	3005.5	2994.3	2984.5	1.87	0.67	-0.34	-22.7	-29.5	-66.6	0.57		
6.5	16.11	3009.6	2998.4	2988.5	1.90	0.69	-0.31	-22.8	-29.7	-69.7	0.56		
6.8	15.94	3013.6	3002.3	2992.4	1.92	0.72	-0.29	-22.9	-30.1	-69.8	0.54		
7.0	15.77	3017.5	3006.3	2996.2	1.93	0.75	-0.27	-22.9	-30.4	-70.6	0.52		
7.3	15.60	3021.5	3010.2	3000.0	1.94	0.78	-0.25	-23.0	-30.9	-67.4	0.51		
7.5	15.38	3025.4	3014.0	3003.8	1.95	0.80	-0.23	-23.0	-31.6	-69.9	0.50		
7.8	15.23	3029.2	3017.8	3007.6	1.97	0.81	-0.21	-23.0	-32.2	-66.5	0.50		
8.0	15.12	3033.1	3021.6	3011.4	1.98	0.83	-0.19	-23.0	-32.2	-68.9	0.49		
8.3	15.06	3036.9	3025.4	3015.1	2.01	0.85	-0.18	-22.9	-32.0	-67.7	0.48		
8.5	14.90	3040.7	3029.1	3018.8	2.03	0.86	-0.16	-23.0	-32.3	-67.8	0.47		
8.8	14.78	3044.4	3032.8	3022.4	2.05	0.88	-0.15	-23.1	-32.9	-67.1	0.47		
9.0	14.69	3048.1	3036.5	3026.0	2.07	0.91	-0.15	-23.1	-33.1	-67.2	0.46		
9.3	14.58	3051.8	3040.1	3029.6	2.08	0.93	-0.15	-23.3	-33.7	-66.3	0.46		
9.8	14.32	3059.0	3047.3	3036.6	2.11	0.96	-0.14	-23.5	-35.1	-64.5	0.45		
10.0	14.21	3062.6	3050.9	3040.1	2.12	0.98	-0.13	-23.6	-35.4	-64.4	0.44		