

Voltage Controlled Oscillator

ROS-EDR5827

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	28.42	2875.0	2859.6	2846.7	2.68	0.26	-2.26	-14.3	-25.1	-59.4	0.49	1	-76
0.5	26.34	2881.3	2866.2	2853.4	2.74	0.37	-2.21	-14.3	-24.6	-59.9	0.49	10	-99
0.8	24.99	2887.5	2872.5	2859.7	2.73	0.44	-2.13	-15.0	-23.9	-59.4	0.48	100	-119
1.0	24.44	2893.7	2878.6	2866.0	2.72	0.46	-2.07	-16.0	-23.9	-61.3	0.46	1000	-142
1.3	24.70	2899.9	2884.8	2872.2	2.60	0.46	-2.01	-16.6	-24.2	-60.2	0.45		
1.5	25.17	2906.2	2891.0	2878.4	2.47	0.51	-1.93	-16.6	-24.2	-60.0	0.44		
1.8	25.84	2912.7	2897.5	2884.7	2.50	0.50	-1.86	-16.3	-23.4	-61.3	0.43		
2.0	26.98	2919.2	2904.3	2891.2	2.58	0.53	-1.75	-15.2	-22.7	-61.9	0.42		
2.3	27.76	2925.8	2911.2	2897.7	2.58	0.59	-1.68	-14.4	-22.9	-60.0	0.42		
2.5	27.99	2932.6	2918.2	2904.5	2.55	0.65	-1.66	-15.0	-22.3	-61.1	0.42		
2.8	28.47	2939.6	2925.3	2911.5	2.48	0.70	-1.66	-16.3	-21.8	-59.5	0.42		
3.0	29.17	2947.1	2932.6	2918.7	2.44	0.81	-1.63	-17.9	-21.6	-61.8	0.42		
3.3	29.91	2954.7	2940.1	2925.9	2.46	0.91	-1.53	-19.7	-21.1	-61.0	0.42		
3.5	31.07	2962.4	2947.8	2933.3	2.41	1.06	-1.49	-20.1	-20.9	-61.4	0.43		
3.8	31.15	2970.3	2955.6	2940.8	2.40	1.25	-1.40	-18.9	-21.4	-60.1	0.44		
4.0	30.38	2978.5	2963.2	2948.4	2.44	1.36	-1.33	-18.9	-22.2	-62.0	0.43		
4.3	30.77	2987.1	2970.9	2956.2	2.55	1.39	-1.34	-19.9	-21.8	-60.5	0.41		
4.5	31.06	2995.7	2978.7	2964.0	2.75	1.38	-1.28	-21.5	-21.1	-61.6	0.38		
4.8	31.52	3003.8	2986.6	2971.7	2.97	1.45	-1.17	-23.0	-20.6	-60.9	0.37		
5.0	31.66	3011.6	2994.5	2979.4	3.15	1.49	-1.10	-22.8	-21.2	-61.4	0.36		
5.3	30.87	3019.4	3002.2	2987.1	3.28	1.53	-1.07	-22.2	-21.9	-61.8	0.37		
5.5	30.37	3027.2	3009.8	2994.8	3.41	1.52	-1.05	-22.8	-21.7	-62.9	0.34		
5.8	30.46	3035.1	3017.4	3002.5	3.50	1.57	-1.06	-24.4	-21.3	-65.4	0.32		
6.0	30.72	3042.8	3025.1	3010.1	3.59	1.54	-1.07	-26.3	-21.2	-67.2	0.38		
6.3	30.46	3050.1	3032.7	3017.6	3.65	1.50	-1.04	-27.4	-21.6	-68.8	0.26		
6.5	30.46	3057.3	3040.3	3025.0	3.67	1.54	-0.99	-27.2	-22.2	-69.5	0.26		
6.8	29.95	3064.7	3047.8	3032.3	3.72	1.67	-0.98	-26.6	-23.8	-70.6	0.26		
7.0	29.18	3072.1	3055.1	3039.7	3.72	1.71	-1.05	-26.9	-25.3	-71.1	0.32		