

Voltage Controlled Oscillator

ROS-EDR6136

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			
0.5	88.61	2005.6	1961.3	1933.0	11.47	10.22	8.65	-18.4	-22.1	-34.2	-2.06	1	-65
1.0	76.98	2042.9	1999.8	1971.6	11.60	10.37	8.72	-20.2	-22.5	-36.3	-1.93	10	-92
1.5	71.52	2079.3	2035.6	2008.0	11.75	10.49	8.86	-19.6	-22.2	-36.1	-1.95	100	-115
2.0	73.49	2114.6	2072.3	2044.4	11.84	10.61	8.88	-21.0	-22.6	-37.9	-1.95	1000	-135
2.5	73.09	2150.6	2108.9	2081.7	12.00	10.72	9.04	-20.6	-22.3	-35.2	-2.02		
3.0	77.76	2189.7	2147.7	2121.3	12.17	10.89	9.06	-20.7	-22.9	-32.6	-1.82		
3.5	83.08	2229.4	2189.3	2161.7	12.27	10.99	9.18	-21.3	-22.9	-30.8	-1.85		
4.0	85.21	2271.3	2231.9	2205.2	12.34	11.07	9.30	-20.5	-23.6	-30.3	-1.93		
4.5	88.72	2315.5	2276.2	2250.4	12.30	11.14	9.39	-20.7	-23.9	-32.8	-2.00		
5.0	92.21	2358.6	2322.3	2296.7	12.28	11.17	9.47	-21.3	-23.8	-34.2	-2.07		
5.5	90.68	2403.1	2367.7	2342.2	12.25	11.16	9.61	-21.2	-24.3	-35.7	-2.36		
6.0	90.36	2446.7	2412.9	2388.3	12.37	11.19	9.62	-21.1	-25.4	-37.6	-2.48		
6.5	86.01	2489.6	2455.9	2432.8	12.46	11.32	9.69	-22.7	-25.0	-39.5	-2.40		
7.0	87.17	2530.1	2499.5	2475.3	12.67	11.35	9.73	-22.4	-26.0	-42.0	-2.52		
7.5	79.34	2570.0	2539.1	2516.9	12.74	11.49	9.88	-22.8	-27.3	-43.6	-2.43		
8.0	78.93	2608.1	2578.6	2556.4	12.77	11.49	9.91	-23.7	-27.9	-46.9	-2.37		
8.5	75.03	2643.3	2616.1	2595.1	12.73	11.46	9.92	-23.2	-30.8	-49.3	-2.20		
9.0	69.39	2678.2	2650.8	2631.3	12.68	11.43	9.93	-24.8	-31.4	-50.9	-2.15		
9.5	69.38	2711.4	2685.5	2666.8	12.60	11.38	9.90	-24.7	-33.1	-52.1	-1.93		
10.0	67.29	2742.1	2719.1	2702.0	12.50	11.29	9.82	-26.8	-33.3	-53.2	-1.73		
10.5	66.36	2771.5	2752.3	2736.0	12.62	11.27	9.68	-27.7	-34.2	-53.9	-1.74		
11.0	66.60	2804.6	2785.6	2768.5	12.39	11.02	9.61	-29.9	-34.2	-58.8	-1.89		
11.5	69.88	2837.9	2820.6	2802.3	12.19	10.82	9.42	-29.3	-31.0	-61.7	-1.79		
12.0	61.88	2871.1	2851.5	2833.2	11.81	10.78	9.46	-29.8	-30.2	-60.5	-1.79		
12.5	63.79	2906.8	2883.4	2862.6	11.55	10.59	9.30	-28.0	-27.3	-62.8	-2.13		
13.0	61.73	2937.3	2914.3	2893.0	11.51	10.55	9.20	-28.3	-26.0	-65.8	-2.11		
13.5	54.52	2966.4	2941.5	2920.9	11.39	10.62	9.22	-27.5	-26.0	-69.3	-2.04		
14.0	54.07	2995.8	2968.5	2946.8	11.31	10.52	9.27	-27.3	-25.2	-67.9	-2.35		
14.5	53.86	3022.8	2995.5	2972.3	11.35	10.45	9.13	-27.3	-26.3	-66.2	-2.45		
15.0	50.77	3047.2	3020.9	2998.4	11.34	10.49	9.06	-26.4	-26.8	-62.7	-2.28		
15.5	45.65	3071.5	3043.7	3021.9	11.22	10.49	9.16	-26.7	-27.5	-61.8	-2.40		
16.0	44.89	3096.3	3066.1	3043.6	11.14	10.41	9.17	-26.7	-29.2	-62.6	-2.49		
16.5	46.01	3119.0	3089.1	3065.3	11.14	10.30	9.08	-26.0	-29.2	-62.0	-2.68		
17.0	43.30	3139.7	3110.8	3087.2	11.10	10.29	8.96	-26.2	-29.3	-62.5	-2.48		
17.5	39.25	3159.4	3130.4	3107.7	11.02	10.30	8.95	-26.2	-31.0	-63.4	-2.45		
18.0	36.34	3180.0	3148.6	3126.4	10.88	10.28	8.98	-25.7	-31.2	-63.0	-2.47		
18.5	36.24	3199.7	3166.7	3143.9	10.79	10.18	8.96	-26.0	-31.2	-62.9	-2.66		
19.5	35.29	3234.8	3203.0	3178.5	10.75	10.02	8.80	-25.7	-32.8	-63.8	-2.71		
20.0	32.43	3250.7	3219.2	3195.4	10.70	10.01	8.72	-25.1	-33.5	-62.8	-2.60		