

Voltage Controlled Oscillator

ROS-EDR6130/1

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			
0.5	55.08	2163.5	2141.4	2120.3	6.64	5.72	4.80	-21.5	-25.3	-31.6	2.83	1	-70
1.0	48.24	2185.6	2165.5	2145.2	6.67	5.68	4.90	-24.8	-24.9	-32.0	3.17	10	-93
1.5	44.45	2209.4	2187.7	2168.4	6.53	5.72	4.89	-29.1	-24.1	-33.0	3.39	100	-113
2.0	48.76	2232.1	2212.1	2190.6	6.81	5.62	4.96	-29.1	-23.2	-32.6	3.41	1000	-135
2.5	46.56	2256.8	2235.4	2215.3	6.93	5.83	4.88	-27.1	-22.6	-33.5	3.87		
3.0	49.22	2282.8	2260.0	2238.7	6.96	5.93	5.12	-24.8	-22.1	-33.8	3.60		
3.5	52.91	2309.4	2286.5	2263.7	7.18	5.89	5.20	-23.4	-21.7	-33.9	3.98		
4.0	53.47	2338.2	2313.2	2291.0	7.25	6.05	5.15	-23.2	-21.7	-33.6	3.51		
4.5	57.09	2367.0	2341.7	2318.5	7.18	6.09	5.30	-23.1	-21.2	-33.2	2.70		
5.0	58.76	2394.9	2371.1	2347.3	7.27	5.99	5.32	-23.1	-21.3	-33.5	2.50		
5.5	56.00	2424.1	2399.1	2377.2	7.26	6.07	5.20	-24.2	-21.0	-34.3	1.88		
6.0	58.19	2453.7	2428.2	2405.4	7.23	6.02	5.21	-25.2	-21.4	-35.0	1.35		
6.5	58.38	2480.3	2457.4	2434.2	7.32	5.97	5.14	-25.5	-21.4	-36.3	0.86		
7.0	52.96	2508.1	2483.9	2462.8	7.31	5.97	5.06	-26.8	-22.2	-38.1	0.78		
7.5	54.97	2536.0	2511.4	2488.9	7.38	5.95	4.91	-27.1	-22.1	-40.9	0.68		
8.0	54.37	2560.5	2538.6	2516.0	7.35	5.95	4.89	-26.9	-23.0	-42.1	0.47		
8.5	48.22	2586.4	2562.7	2542.4	7.18	5.85	4.82	-27.6	-23.5	-43.2	0.53		
9.0	50.76	2612.0	2588.0	2565.4	7.17	5.76	4.69	-27.3	-24.2	-43.6	0.47		
9.5	50.31	2634.2	2613.2	2590.6	7.13	5.68	4.54	-26.6	-25.4	-43.8	0.53		
10.0	43.31	2658.6	2634.9	2614.8	7.03	5.72	4.47	-26.7	-25.5	-44.2	0.46		
10.5	47.69	2680.8	2658.7	2635.9	6.94	5.65	4.61	-26.4	-26.8	-43.7	0.45		
11.0	43.07	2703.4	2680.2	2658.8	6.77	5.54	4.41	-26.2	-26.5	-43.6	0.43		
11.5	44.65	2724.6	2702.6	2679.6	6.73	5.48	4.39	-25.9	-25.9	-43.6	0.38		
12.0	39.56	2746.2	2722.3	2701.4	6.57	5.43	4.35	-25.8	-26.4	-44.2	0.43		
12.5	42.37	2765.4	2743.5	2719.6	6.52	5.35	4.36	-25.4	-26.1	-44.4	0.41		
13.0	36.74	2784.7	2761.9	2739.8	6.43	5.32	4.30	-25.0	-25.7	-45.2	0.39		
13.5	38.30	2802.8	2781.0	2757.7	6.38	5.23	4.38	-24.8	-25.5	-44.9	0.39		
14.0	31.80	2822.0	2796.9	2775.2	6.34	5.21	4.27	-24.7	-25.6	-45.5	0.41		