

Voltage Controlled Oscillator

ROS-EDR5914

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	119.81	1956.0	1934.9	1918.4	0.74	1.30	1.04	-18.9	-38.9	-30.4	-2.69	1	-67
0.5	101.38	1979.5	1960.3	1945.1	0.68	1.45	1.19	-20.1	-38.3	-30.3	-2.11	10	-91
0.8	89.86	2000.3	1982.7	1967.7	0.56	1.37	1.23	-20.6	-37.4	-30.6	-1.54	100	-113
1.0	81.15	2019.9	2003.0	1988.6	0.38	1.32	1.17	-21.7	-37.1	-31.6	-1.22	1000	-131
1.3	77.57	2039.0	2022.4	2007.8	0.12	1.15	1.15	-21.9	-36.7	-31.5	-1.22		
1.5	75.52	2057.3	2041.3	2026.5	-0.12	1.07	1.01	-22.7	-36.9	-32.5	-1.02		
1.8	72.96	2075.8	2059.5	2045.1	-0.27	0.94	1.01	-23.3	-36.9	-32.3	-1.09		
2.0	72.96	2093.6	2077.8	2062.9	-0.47	0.81	0.98	-23.7	-36.6	-31.7	-1.09		
2.3	71.68	2112.3	2095.7	2081.1	-0.55	0.77	0.85	-23.8	-35.6	-30.6	-1.15		
2.5	69.89	2129.5	2113.2	2098.6	-0.72	0.60	0.86	-24.3	-35.1	-30.8	-1.28		
2.8	70.40	2148.4	2130.8	2115.6	-0.95	0.53	0.80	-24.6	-34.6	-31.0	-1.54		
3.0	69.12	2165.1	2148.0	2133.2	-0.99	0.48	0.69	-24.7	-33.9	-30.3	-1.54		
3.3	66.30	2182.8	2164.6	2149.8	-1.39	0.28	0.66	-25.3	-33.1	-30.6	-1.73		
3.5	69.12	2199.2	2181.9	2165.8	-1.22	0.16	0.51	-25.9	-33.2	-31.3	-1.79		
3.8	61.44	2214.3	2197.2	2182.9	-1.23	0.10	0.47	-26.4	-32.9	-31.2	-1.79		
4.0	58.62	2229.2	2211.9	2197.4	-1.52	0.03	0.39	-27.0	-32.8	-31.2	-1.86		
4.3	58.11	2244.5	2226.4	2211.4	-1.43	-0.12	0.24	-28.2	-32.5	-32.4	-2.18		
4.5	56.44	2257.2	2240.5	2224.4	-1.42	-0.08	0.21	-29.1	-32.8	-32.3	-1.76		
4.8	48.78	2269.8	2252.7	2238.4	-1.66	-0.08	0.25	-29.7	-32.4	-32.4	-1.57		
5.0	44.29	2282.9	2263.8	2249.7	-1.52	-0.18	0.18	-31.4	-32.9	-32.9	-1.54		
5.3	50.87	2292.7	2276.5	2259.7	-1.42	-0.22	0.16	-31.7	-32.5	-32.4	-1.30		
5.5	38.47	2301.6	2286.1	2269.3	-1.42	-0.17	0.02	-32.0	-32.5	-31.9	-1.19		
5.8	34.82	2309.8	2294.8	2280.7	-1.52	-0.23	0.07	-32.8	-31.9	-32.1	-1.02		
6.0	30.77	2317.2	2302.5	2288.5	-1.65	-0.24	0.12	-33.9	-31.4	-32.3	-0.75		
6.3	26.11	2325.2	2309.1	2295.4	-1.76	-0.23	0.08	-35.0	-31.6	-32.6	-0.66		
6.5	23.46	2332.0	2314.9	2301.7	-1.67	-0.32	0.02	-35.9	-31.6	-33.1	-0.53		
6.8	24.62	2337.3	2321.1	2307.1	-1.65	-0.45	0.01	-36.5	-31.2	-33.5	-0.53		
7.0	25.86	2342.0	2327.6	2311.6	-1.66	-0.44	0.00	-36.9	-31.0	-33.5	-0.38		