

Voltage Controlled Oscillator

ROS-ED8870A/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			
0.3	23.00	2182.8	2168.2	2151.5	3.41	3.30	2.69	-15.6	-33.3	-33.4	1.10	1	-80
0.5	21.60	2188.1	2173.6	2157.1	3.44	3.28	2.67	-15.8	-33.1	-33.7	1.17	10	-104
0.8	20.80	2193.3	2178.8	2162.4	3.47	3.29	2.66	-15.6	-33.5	-33.2	1.17	100	-124
1.0	20.48	2198.3	2183.9	2167.5	3.50	3.32	2.66	-15.5	-33.5	-32.7	1.18	1000	-144
1.3	20.36	2203.4	2189.0	2172.6	3.54	3.34	2.67	-15.5	-33.7	-33.0	1.21		
1.5	20.36	2208.5	2194.1	2177.7	3.56	3.37	2.67	-15.4	-33.5	-32.8	1.21		
1.8	20.72	2213.7	2199.3	2182.9	3.56	3.41	2.69	-15.4	-33.8	-33.1	1.21		
2.0	21.16	2219.1	2204.5	2188.2	3.57	3.44	2.71	-15.3	-33.7	-33.4	1.20		
2.3	21.56	2224.7	2209.9	2193.6	3.60	3.47	2.73	-15.4	-33.6	-34.2	1.20		
2.5	22.24	2230.4	2215.5	2199.1	3.64	3.48	2.78	-15.5	-33.2	-35.8	1.24		
2.8	23.24	2236.2	2221.3	2204.8	3.68	3.51	2.82	-15.6	-33.2	-40.2	1.26		
3.0	23.84	2242.3	2227.3	2210.7	3.71	3.55	2.86	-15.4	-33.3	-46.8	1.22		
3.3	24.48	2248.5	2233.4	2216.7	3.74	3.60	2.90	-15.3	-33.2	-38.4	1.26		
3.5	25.12	2254.8	2239.7	2222.9	3.76	3.64	2.95	-15.3	-33.1	-35.9	1.26		
3.8	25.84	2261.4	2246.1	2229.3	3.77	3.68	2.99	-15.2	-33.0	-34.5	1.28		
4.0	26.32	2268.1	2252.7	2235.8	3.81	3.72	3.03	-15.1	-32.6	-33.9	1.30		
4.3	26.64	2274.8	2259.4	2242.5	3.81	3.73	3.07	-15.3	-32.6	-35.0	1.26		
4.5	27.20	2281.6	2266.2	2249.2	3.79	3.75	3.10	-15.4	-32.6	-34.8	1.26		
4.8	27.20	2288.4	2273.0	2256.0	3.81	3.78	3.14	-15.3	-32.7	-34.5	1.26		
5.0	27.20	2295.2	2279.8	2262.8	3.80	3.78	3.18	-15.1	-32.8	-34.0	1.26		
5.3	27.36	2301.9	2286.6	2269.6	3.78	3.77	3.18	-15.3	-33.1	-33.1	1.31		
5.5	27.16	2308.8	2293.4	2276.4	3.79	3.80	3.20	-15.3	-32.7	-32.8	1.28		
5.8	26.96	2315.5	2300.1	2283.2	3.80	3.79	3.23	-15.3	-33.0	-33.3	1.30		
6.0	26.76	2322.2	2306.8	2289.9	3.78	3.79	3.23	-15.5	-32.8	-32.4	1.31		
6.3	26.76	2328.8	2313.5	2296.6	3.75	3.81	3.25	-15.4	-32.6	-32.0	1.31		
6.5	26.52	2335.4	2320.1	2303.2	3.70	3.80	3.28	-15.6	-32.0	-32.5	1.30		
6.8	26.12	2342.0	2326.7	2309.7	3.63	3.79	3.29	-15.6	-31.9	-31.8	1.31		
7.0	25.96	2348.4	2333.2	2316.2	3.55	3.76	3.29	-15.8	-32.2	-31.2	1.30		