

Voltage Controlled Oscillator

ROS-ED9864/1

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			
0.1	48.80	2073.5	2049.9	2036.7	-1.86	-1.49	-1.89	-31.9	-30.3	-34.7	0.36	1	-77
0.3	45.60	2078.9	2055.6	2042.4	-1.86	-1.42	-1.81	-32.0	-29.8	-36.5	0.48	10	-100
0.4	42.80	2084.0	2061.0	2047.8	-2.08	-1.36	-1.70	-32.2	-29.4	-37.5	0.64	100	-120
0.5	41.20	2088.9	2066.1	2053.0	-1.86	-1.45	-1.62	-31.5	-29.3	-39.6	0.74	1000	-140
0.6	39.20	2093.7	2071.0	2058.0	-1.87	-1.30	-1.54	-30.9	-29.4	-42.4	0.84		
0.8	38.24	2098.3	2075.8	2062.7	-1.98	-1.25	-1.62	-31.7	-28.6	-39.8	0.90		
0.9	37.52	2102.9	2080.5	2067.4	-1.94	-1.22	-1.59	-31.8	-28.5	-38.1	1.00		
1.0	36.48	2107.4	2085.0	2071.9	-1.91	-1.42	-1.42	-31.8	-28.4	-36.8	1.06		
1.1	36.00	2111.8	2089.5	2076.4	-1.91	-1.18	-1.35	-31.6	-28.0	-36.5	1.10		
1.3	35.36	2116.2	2094.0	2080.7	-1.92	-1.18	-1.31	-31.9	-28.2	-32.7	1.16		
1.4	35.04	2120.6	2098.3	2085.1	-1.90	-1.26	-1.49	-32.3	-28.1	-32.1	1.22		
1.5	34.56	2124.9	2102.7	2089.3	-1.93	-1.20	-1.24	-31.2	-27.7	-32.4	1.20		
1.6	34.32	2129.2	2106.9	2093.5	-1.93	-1.15	-1.22	-31.2	-27.4	-32.4	1.26		
1.8	34.48	2133.5	2111.3	2097.8	-1.79	-1.13	-1.29	-31.6	-27.1	-33.7	1.32		
1.9	34.16	2137.8	2115.5	2102.0	-1.87	-1.12	-1.23	-31.2	-27.4	-33.6	1.36		
2.0	34.16	2142.2	2119.8	2106.2	-1.79	-1.08	-1.15	-31.3	-27.4	-34.0	1.40		
2.1	34.40	2146.5	2124.1	2110.4	-1.76	-1.10	-1.12	-31.4	-26.8	-33.8	1.46		
2.3	34.24	2150.8	2128.4	2114.5	-1.58	-1.07	-1.11	-31.3	-27.0	-34.5	1.44		
2.4	34.40	2155.2	2132.7	2118.7	-1.62	-0.92	-1.06	-31.0	-27.2	-35.2	1.48		
2.5	34.40	2159.6	2137.0	2122.9	-1.58	-0.84	-1.06	-31.4	-27.0	-35.9	1.50		
2.6	34.64	2164.0	2141.3	2127.2	-1.52	-0.90	-0.98	-31.1	-27.1	-36.4	1.54		
2.8	34.64	2168.5	2145.6	2131.4	-1.32	-0.85	-0.95	-31.0	-26.8	-35.7	1.60		
2.9	35.04	2172.9	2150.0	2135.7	-1.36	-0.66	-0.78	-31.4	-26.7	-36.2	1.56		
3.0	34.88	2177.4	2154.4	2139.9	-1.32	-0.69	-0.84	-31.1	-26.8	-36.8	1.60		
3.1	34.88	2181.9	2158.7	2144.2	-1.25	-0.65	-0.79	-31.3	-26.9	-36.4	1.62		
3.3	35.28	2186.4	2163.1	2148.5	-1.16	-0.57	-0.60	-30.9	-26.5	-37.2	1.60		
3.4	35.28	2190.9	2167.6	2152.7	-1.05	-0.36	-0.62	-31.5	-26.6	-37.4	1.60		
3.5	34.88	2195.3	2171.9	2157.0	-0.95	-0.32	-0.54	-31.1	-26.8	-37.9	1.60		
3.6	35.04	2199.8	2176.3	2161.2	-0.85	-0.36	-0.50	-30.8	-26.7	-38.2	1.60		
3.8	34.64	2204.2	2180.6	2165.5	-0.78	-0.27	-0.44	-31.2	-26.4	-38.4	1.52		
3.9	34.40	2208.6	2184.9	2169.7	-0.66	-0.19	-0.23	-31.0	-26.3	-38.5	1.54		
4.0	34.16	2212.9	2189.2	2173.9	-0.57	-0.07	-0.26	-31.2	-26.3	-37.2	1.48		
4.1	33.84	2217.2	2193.4	2178.0	-0.51	0.03	-0.18	-31.1	-26.3	-38.2	1.42		
4.3	33.04	2221.4	2197.6	2182.1	-0.53	0.13	-0.14	-31.0	-26.4	-38.6	1.44		
4.4	32.48	2225.6	2201.6	2186.0	-0.37	0.17	-0.05	-31.0	-26.2	-38.8	1.44		
4.5	32.24	2229.6	2205.6	2190.0	-0.30	0.25	0.07	-31.0	-26.0	-39.3	1.40		
4.6	31.20	2233.6	2209.5	2193.8	-0.25	0.36	0.17	-31.2	-26.3	-38.5	1.38		
4.8	30.72	2237.5	2213.4	2197.6	-0.21	0.45	0.26	-31.4	-26.1	-39.7	1.32		
4.9	30.00	2241.2	2217.1	2201.3	-0.20	0.50	0.31	-31.1	-26.1	-40.8	1.40		
5.0	29.36	2244.9	2220.8	2204.9	-0.16	0.47	0.38	-31.3	-26.0	-42.3	1.42		
5.1	28.48	2248.5	2224.4	2208.4	-0.15	0.63	0.49	-31.2	-26.0	-42.9	1.44		
5.3	27.52	2252.0	2227.8	2211.7	-0.11	0.69	0.53	-31.3	-25.8	-45.0	1.42		
5.4	27.04	2255.3	2231.2	2215.1	-0.27	0.73	0.61	-31.2	-26.2	-45.5	1.54		
5.5	26.24	2258.6	2234.5	2218.3	-0.13	0.77	0.58	-31.3	-26.0	-44.1	1.56		
5.6	25.28	2261.8	2237.6	2221.4	-0.10	0.77	0.61	-31.5	-25.7	-41.1	1.64		
5.8	24.64	2264.8	2240.7	2224.4	-0.11	0.80	0.76	-31.8	-25.7	-39.8	1.72		
5.9	23.84	2267.8	2243.7	2227.4	-0.14	0.84	0.79	-32.0	-26.0	-38.3	1.76		
6.0	23.36	2270.67	2246.6	2230.24	-0.12	0.87	0.84	-31.6	-25.9	-38.0	1.84		