

Voltage Controlled Oscillator

ROS-ED9808/1

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	76.68	2013.8	1991.0	1971.6	1.90	2.41	2.27	-33.2	-28.9	-43.0	3.50	1	-76
0.5	62.84	2028.8	2006.7	1987.8	1.94	2.37	2.22	-33.1	-28.8	-41.7	2.26	10	-100
0.8	56.96	2042.8	2021.0	2002.2	1.98	2.41	2.18	-32.5	-28.3	-41.8	1.64	100	-121
1.0	54.12	2056.1	2034.5	2015.8	1.97	2.47	2.20	-32.3	-27.1	-41.7	1.20	1000	-138
1.3	52.00	2069.0	2047.5	2028.7	1.95	2.51	2.27	-32.1	-26.9	-44.5	0.94		
1.5	50.68	2081.5	2060.2	2041.3	1.92	2.51	2.33	-31.8	-26.1	-39.5	0.68		
1.8	49.72	2093.9	2072.6	2053.7	1.91	2.49	2.36	-31.9	-25.6	-38.8	0.52		
2.0	48.88	2106.2	2084.8	2065.9	1.93	2.48	2.36	-31.6	-25.2	-38.1	0.36		
2.3	48.52	2118.4	2097.0	2077.9	1.97	2.49	2.36	-31.8	-24.7	-37.9	0.38		
2.5	48.08	2130.5	2109.0	2089.8	1.99	2.53	2.38	-31.4	-24.5	-37.9	0.38		
2.8	47.60	2142.6	2120.9	2101.6	1.96	2.58	2.41	-31.9	-24.2	-38.2	0.42		
3.0	47.00	2154.6	2132.6	2113.1	1.91	2.62	2.47	-31.8	-23.7	-37.2	0.52		
3.3	46.28	2166.3	2144.2	2124.6	1.89	2.62	2.54	-31.9	-23.6	-35.8	0.78		
3.5	45.12	2177.7	2155.5	2135.7	1.90	2.58	2.58	-32.0	-23.6	-35.9	1.00		
3.8	43.84	2188.7	2166.4	2146.5	1.97	2.57	2.58	-32.1	-23.4	-35.7	1.22		
4.0	42.12	2199.4	2177.0	2157.0	2.04	2.60	2.56	-32.4	-23.3	-36.3	1.44		
4.3	40.44	2209.6	2187.1	2167.0	2.16	2.66	2.57	-32.8	-23.2	-36.3	1.56		
4.5	38.52	2219.3	2196.7	2176.6	2.28	2.73	2.60	-32.8	-23.2	-37.0	1.64		
4.8	36.48	2228.5	2205.8	2185.7	2.38	2.85	2.67	-33.1	-23.1	-37.2	1.64		
5.0	34.44	2237.2	2214.4	2194.2	2.46	2.96	2.74	-33.1	-23.2	-38.7	1.60		
5.3	32.44	2245.4	2222.5	2202.2	2.53	3.08	2.82	-33.6	-23.1	-44.3	1.44		
5.5	30.40	2253.0	2230.1	2209.7	2.57	3.17	2.93	-34.1	-23.2	-43.1	1.22		
5.8	28.40	2260.1	2237.2	2216.7	2.61	3.24	3.02	-34.2	-23.2	-39.5	0.94		
6.0	26.52	2266.7	2243.9	2223.2	2.62	3.30	3.13	-34.5	-23.2	-36.9	0.70		
6.3	24.80	2272.8	2250.1	2229.3	2.66	3.34	3.21	-34.6	-23.3	-36.8	0.46		
6.5	23.16	2278.5	2255.9	2235.0	2.67	3.38	3.27	-35.2	-23.2	-35.6	0.10		
6.8	21.84	2283.9	2261.3	2240.4	2.69	3.40	3.32	-35.2	-23.2	-37.1	0.12		
7.0	20.36	2289.0	2266.4	2245.4	2.71	3.43	3.36	-35.8	-23.0	-35.8	0.34		
7.3	19.32	2293.8	2271.2	2250.2	2.74	3.44	3.39	-35.6	-23.1	-34.7	0.48		
7.5	18.40	2298.4	2275.8	2254.7	2.77	3.46	3.42	-36.4	-23.1	-34.4	0.66		
7.8	17.48	2302.7	2280.2	2259.0	2.80	3.47	3.44	-36.7	-23.0	-33.7	0.80		
8.0	16.64	2306.8	2284.4	2263.1	2.81	3.49	3.46	-36.7	-23.0	-32.9	0.92		
8.3	15.76	2310.7	2288.3	2267.0	2.82	3.50	3.46	-36.7	-23.0	-33.3	1.02		
8.5	15.04	2314.5	2292.1	2270.7	2.83	3.50	3.47	-37.4	-23.0	-32.6	1.08		
8.8	14.36	2318.1	2295.7	2274.2	2.84	3.52	3.47	-37.1	-22.7	-33.0	1.18		
9.0	13.52	2321.0	2299.0	2277.5	2.37	3.54	3.48	-37.5	-22.8	-33.1	1.22		
9.3	12.80	2323.2	2302.2	2280.7	1.68	3.54	3.46	-37.6	-22.8	-33.7	1.30		
9.5	12.20	2325.9	2305.3	2283.7	0.90	3.52	3.47	-37.7	-22.7	-33.0	1.50		
9.8	11.16	2332.1	2308.1	2286.4	-0.18	2.90	3.46	-38.2	-23.8	-35.5	0.80		
10.0	11.12	2352.1	2310.9	2289.1	-2.74	2.21	3.45	-39.4	-24.8	-37.0	0.60		