

Voltage Controlled Oscillator

ROS-ED9735/1

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	29.92	1950.0	1940.9	1934.7	-1.27	-1.30	-1.56	-23.1	-24.5	-34.7	0.92	1	-76
0.5	29.66	1957.4	1948.3	1942.0	-1.23	-1.27	-1.50	-22.8	-25.1	-34.2	0.92	10	-97
0.8	30.06	1965.0	1955.9	1949.4	-1.27	-1.23	-1.47	-23.6	-25.7	-33.5	0.93	100	-117
1.0	30.98	1973.0	1963.6	1957.0	-1.30	-1.23	-1.40	-23.4	-26.2	-33.3	0.93	1000	-137
1.3	33.06	1981.5	1971.9	1965.1	-1.28	-1.21	-1.43	-23.2	-26.1	-31.9	0.96		
1.5	35.32	1990.3	1980.7	1973.5	-1.30	-1.24	-1.44	-23.2	-26.8	-31.1	0.94		
1.8	36.82	1999.7	1989.9	1982.7	-1.33	-1.25	-1.46	-23.1	-26.8	-31.6	0.95		
2.0	38.80	2009.6	1999.6	1992.3	-1.30	-1.26	-1.42	-22.9	-26.5	-30.4	0.94		
2.3	40.80	2020.1	2009.8	2002.3	-1.26	-1.25	-1.41	-22.6	-27.4	-30.0	0.94		
2.5	42.68	2031.0	2020.5	2012.8	-1.17	-1.19	-1.42	-21.5	-26.8	-29.5	0.95		
2.8	44.44	2042.3	2031.6	2023.7	-1.04	-1.09	-1.36	-21.1	-26.7	-29.6	0.92		
3.0	45.80	2054.0	2043.0	2035.0	-0.82	-0.93	-1.25	-20.7	-26.6	-29.7	0.92		
3.3	46.88	2065.9	2054.8	2046.6	-0.65	-0.77	-1.10	-20.5	-26.8	-29.8	0.89		
3.5	47.92	2078.0	2066.7	2058.3	-0.37	-0.58	-0.90	-19.8	-26.5	-30.0	0.89		
3.8	48.20	2090.2	2078.8	2070.3	-0.18	-0.32	-0.69	-19.5	-26.4	-30.5	0.89		
4.0	47.88	2102.3	2090.8	2082.2	-0.01	-0.12	-0.51	-19.4	-26.5	-30.4	0.87		
4.3	47.80	2114.3	2102.7	2094.1	0.12	0.03	-0.29	-19.3	-26.3	-29.9	0.87		
4.5	47.08	2126.3	2114.5	2105.8	0.17	0.14	-0.20	-18.8	-26.7	-30.2	0.86		
4.8	46.52	2138.0	2126.1	2117.3	0.16	0.18	-0.10	-18.8	-26.4	-31.1	0.85		
5.0	45.56	2149.5	2137.5	2128.6	0.14	0.20	-0.10	-18.4	-27.0	-31.7	0.88		
5.3	44.60	2160.8	2148.6	2139.7	0.07	0.11	-0.12	-18.5	-27.3	-31.8	0.86		
5.5	43.56	2171.7	2159.5	2150.5	-0.02	0.03	-0.19	-18.4	-27.3	-32.2	0.86		
5.8	42.00	2182.3	2170.0	2160.9	-0.08	-0.07	-0.31	-18.3	-27.7	-32.1	0.88		
6.0	40.80	2192.5	2180.2	2171.1	-0.10	-0.15	-0.44	-18.4	-27.8	-33.1	0.91		
6.3	39.40	2202.4	2190.1	2180.9	-0.05	-0.20	-0.55	-18.3	-28.1	-32.8	0.88		
6.5	37.88	2212.0	2199.6	2190.3	0.02	-0.18	-0.63	-18.5	-28.6	-33.2	0.91		
6.8	36.76	2221.3	2208.7	2199.4	0.13	-0.13	-0.65	-18.8	-28.5	-33.5	0.94		
7.0	35.20	2230.2	2217.5	2208.1	0.25	-0.05	-0.66	-18.9	-28.9	-34.1	0.96		
7.3	33.96	2238.8	2226.0	2216.6	0.38	-0.02	-0.67	-19.1	-29.0	-34.6	0.96		
7.5	32.64	2247.1	2234.2	2224.6	0.45	0.07	-0.66	-19.5	-29.0	-34.2	0.99		
7.8	31.40	2255.1	2242.0	2232.4	0.58	0.08	-0.69	-19.4	-29.6	-35.3	1.01		
8.0	30.24	2262.7	2249.6	2239.9	0.71	0.18	-0.70	-19.8	-29.8	-35.9	1.01		
8.3	28.80	2270.0	2256.8	2247.0	0.74	0.20	-0.77	-20.2	-30.0	-36.5	1.03		
8.5	27.36	2277.0	2263.6	2253.8	0.77	0.26	-0.78	-20.4	-30.3	-37.3	1.01		
8.8	25.96	2283.7	2270.1	2260.2	0.79	0.25	-0.88	-20.7	-30.2	-37.5	1.01		
9.0	24.52	2290.0	2276.3	2266.2	0.75	0.20	-1.03	-21.0	-30.8	-38.1	1.01		
9.3	22.80	2295.8	2282.0	2271.9	0.72	0.14	-1.19	-21.6	-31.4	-38.5	0.98		
9.5	21.00	2301.2	2287.2	2277.1	0.69	0.05	-1.41	-22.2	-31.7	-38.3	0.98		
9.8	19.28	2306.2	2292.0	2281.8	0.63	-0.07	-1.66	-22.4	-31.7	-39.4	0.96		
10.0	17.20	2310.7	2296.3	2286.1	0.56	-0.19	-1.96	-22.7	-33.1	-40.3	0.93		