

Voltage Controlled Oscillator

ROS-ED10372

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	24.08	1957.0	1947.5	1939.3	-0.46	0.12	0.18	-27.7	-25.2	-38.2	1.00	1	-80
0.3	23.92	1959.9	1950.5	1942.4	-0.45	0.13	0.18	-28.4	-25.2	-38.0	1.00	10	-105
0.4	23.84	1962.9	1953.5	1945.3	-0.40	0.14	0.16	-28.4	-24.8	-37.6	1.00	100	-125
0.5	23.60	1965.8	1956.5	1948.3	-0.39	0.15	0.18	-28.5	-24.8	-37.2	1.00	1000	-143
0.6	23.84	1968.8	1959.4	1951.2	-0.36	0.17	0.19	-28.5	-25.0	-38.6	1.00		
0.8	24.16	1971.9	1962.5	1954.2	-0.36	0.19	0.21	-28.6	-24.6	-38.5	1.04		
0.9	24.64	1975.0	1965.5	1957.2	-0.31	0.22	0.22	-28.7	-24.4	-37.2	1.00		
1.0	24.96	1978.2	1968.7	1960.3	-0.25	0.25	0.24	-28.8	-24.2	-38.5	1.00		
1.1	25.76	1981.5	1971.9	1963.4	-0.23	0.27	0.29	-28.8	-24.0	-38.5	1.04		
1.3	26.24	1984.8	1975.2	1966.7	-0.18	0.32	0.29	-29.0	-24.0	-38.5	1.04		
1.4	27.20	1988.3	1978.6	1970.0	-0.11	0.37	0.32	-29.1	-23.8	-38.2	1.00		
1.5	27.76	1991.9	1982.0	1973.4	-0.09	0.39	0.38	-29.3	-23.7	-39.2	1.00		
1.6	29.04	1995.6	1985.7	1976.9	-0.04	0.45	0.39	-29.7	-23.6	-38.2	1.00		
1.8	29.44	1999.3	1989.3	1980.5	0.04	0.53	0.44	-29.3	-23.3	-39.1	1.00		
1.9	30.56	2003.2	1993.2	1984.2	0.11	0.59	0.50	-29.5	-23.1	-39.0	1.00		
2.0	31.36	2007.2	1997.1	1988.0	0.13	0.61	0.57	-29.8	-23.2	-38.7	0.96		
2.1	32.08	2011.4	2001.1	1991.9	0.19	0.68	0.59	-30.1	-23.1	-39.5	0.96		
2.3	32.96	2015.6	2005.2	1996.0	0.29	0.74	0.65	-29.9	-22.9	-39.5	0.94		
2.4	33.60	2019.9	2009.4	2000.1	0.34	0.80	0.73	-29.9	-22.8	-39.7	0.94		
2.5	34.56	2024.3	2013.7	2004.3	0.37	0.89	0.79	-30.2	-22.6	-38.5	0.90		
2.6	35.04	2028.8	2018.1	2008.6	0.40	0.93	0.85	-30.9	-22.5	-39.1	0.84		
2.8	36.00	2033.3	2022.6	2013.0	0.42	0.99	0.95	-30.8	-22.5	-38.8	0.84		
2.9	36.16	2038.0	2027.1	2017.4	0.44	1.01	0.97	-30.9	-22.4	-38.7	0.84		
3.0	37.04	2042.7	2031.8	2022.0	0.43	1.04	1.02	-31.6	-22.4	-38.8	0.78		
3.1	36.96	2047.4	2036.4	2026.5	0.43	1.05	1.06	-31.9	-22.2	-38.6	0.74		
3.3	37.60	2052.2	2041.1	2031.2	0.41	1.07	1.10	-31.5	-22.1	-37.7	0.74		
3.4	37.84	2057.0	2045.8	2035.9	0.38	1.05	1.10	-32.1	-22.0	-36.6	0.70		
3.5	38.00	2061.9	2050.6	2040.6	0.36	1.02	1.12	-32.6	-22.1	-36.4	0.64		
3.6	38.16	2066.7	2055.3	2045.3	0.31	0.99	1.10	-32.6	-21.9	-36.5	0.60		
3.8	38.64	2071.6	2060.2	2050.1	0.26	0.97	1.07	-32.8	-21.9	-36.0	0.58		
3.9	38.16	2076.5	2064.9	2054.8	0.19	0.91	1.04	-33.3	-21.9	-36.3	0.50		
4.0	38.40	2081.3	2069.7	2059.6	0.17	0.87	1.00	-34.0	-22.0	-35.6	0.50		
4.1	38.24	2086.2	2074.5	2064.3	0.11	0.81	0.95	-33.7	-21.9	-35.5	0.50		
4.3	38.16	2091.1	2079.3	2069.1	0.08	0.76	0.91	-34.0	-21.8	-35.5	0.40		
4.4	38.00	2095.9	2084.0	2073.8	0.07	0.71	0.83	-34.5	-21.6	-36.1	0.40		
4.5	38.00	2100.7	2088.8	2078.5	0.04	0.67	0.79	-34.8	-21.6	-36.4	0.36		
4.6	37.60	2105.4	2093.5	2083.1	0.03	0.66	0.75	-35.2	-21.7	-35.7	0.30		
4.8	37.44	2110.2	2098.2	2087.8	0.03	0.63	0.69	-35.3	-21.8	-35.4	0.26		
4.9	36.80	2114.8	2102.8	2092.4	0.02	0.61	0.70	-35.7	-21.7	-35.2	0.26		
5.0	36.64	2119.5	2107.3	2096.9	0.04	0.62	0.67	-35.7	-21.5	-35.2	0.22		
5.1	36.32	2124.1	2111.9	2101.4	0.05	0.61	0.64	-35.6	-21.6	-35.5	0.22		
5.3	36.00	2128.6	2116.4	2105.8	0.07	0.60	0.62	-36.3	-21.6	-36.2	0.16		
5.4	35.36	2133.1	2120.8	2110.2	0.12	0.61	0.62	-37.1	-21.7	-35.6	0.16		
5.5	35.04	2137.5	2125.2	2114.6	0.15	0.62	0.60	-36.4	-21.7	-35.6	0.16		
5.6	34.48	2141.9	2129.5	2118.9	0.16	0.64	0.60	-36.9	-21.8	-35.8	0.12		
5.8	34.16	2146.2	2133.8	2123.1	0.23	0.69	0.61	-37.6	-21.9	-36.7	0.10		
5.9	33.60	2150.4	2138.0	2127.3	0.30	0.72	0.61	-37.8	-22.0	-35.9	0.10		
6.0	33.20	2154.57	2142.1	2131.42	0.40	0.73	0.63	-37.6	-22.2	-36.1	0.10		