

Voltage Controlled Oscillator

UOS-EDR5777

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			
0.2	88.64	1775.1	1773.6	1767.9	3.75	2.60	0.65	-24.0	-33.9	-41.8	-0.45	1	-77
0.4	81.60	1791.4	1790.0	1784.4	3.58	2.42	0.55	-23.3	-34.1	-40.2	-0.32	10	-101
0.6	76.80	1807.0	1805.3	1799.7	3.44	2.32	0.44	-22.7	-32.8	-39.4	-0.32	100	-122
0.8	73.28	1821.9	1820.0	1814.4	3.32	2.23	0.35	-22.0	-33.6	-38.4	-0.19	1000	-140
1.0	70.40	1836.1	1834.0	1828.3	3.20	2.14	0.30	-20.8	-34.5	-37.2	-0.26		
1.2	68.80	1850.2	1847.8	1841.8	3.14	2.10	0.25	-20.4	-34.1	-37.2	-0.19		
1.4	66.88	1863.8	1861.2	1855.1	3.10	2.12	0.24	-19.8	-36.3	-36.6	-0.26		
1.6	65.60	1877.2	1874.3	1868.0	3.02	2.03	0.24	-19.4	-36.1	-36.2	-0.26		
1.8	64.96	1890.4	1887.3	1880.7	2.94	2.01	0.23	-19.1	-36.2	-36.3	-0.19		
2.0	63.36	1903.4	1900.0	1893.2	2.90	1.98	0.20	-18.5	-38.3	-37.7	-0.26		
2.2	62.40	1916.2	1912.4	1905.7	2.82	1.95	0.18	-18.4	-38.2	-37.0	-0.32		
2.4	62.08	1928.9	1924.9	1917.9	2.77	1.90	0.15	-18.0	-40.2	-37.5	-0.32		
2.6	61.12	1941.4	1937.1	1930.1	2.75	1.91	0.12	-18.5	-41.9	-36.1	-0.38		
2.8	61.44	1954.0	1949.4	1942.2	2.78	1.92	0.10	-17.4	-41.0	-36.2	-0.38		
3.0	60.80	1966.3	1961.5	1954.3	2.76	1.94	0.11	-17.5	-43.1	-32.8	-0.45		
3.2	60.48	1978.6	1973.6	1966.5	2.72	1.88	0.12	-17.1	-44.5	-31.8	-0.45		
3.4	59.84	1990.7	1985.6	1978.4	2.70	1.90	0.09	-18.0	-44.3	-30.5	-0.51		
3.6	58.88	2002.5	1997.4	1990.3	2.71	1.90	0.06	-17.0	-45.4	-28.6	-0.64		
3.8	58.24	2014.1	2009.0	2002.2	2.69	1.87	0.01	-17.2	-45.7	-27.5	-0.70		
4.0	57.28	2025.5	2020.5	2013.9	2.69	1.87	-0.01	-16.7	-44.7	-27.1	-0.83		
4.2	56.00	2036.7	2031.7	2025.4	2.68	1.88	-0.08	-17.8	-45.0	-27.7	-0.96		
4.4	55.04	2047.6	2042.7	2036.8	2.70	1.88	-0.12	-17.4	-45.3	-26.8	-1.09		
4.6	53.76	2058.2	2053.4	2048.0	2.72	1.87	-0.18	-17.2	-44.3	-27.8	-1.15		
4.8	52.16	2068.4	2063.9	2059.0	2.70	1.85	-0.23	-16.7	-43.9	-28.8	-1.22		
5.0	50.56	2078.3	2074.0	2069.8	2.65	1.84	-0.31	-16.7	-44.0	-28.9	-1.41		
5.2	50.92	2087.9	2084.2	2080.3	2.66	1.82	-0.39	-18.2	-43.2	-29.0	-1.14		
5.4	46.36	2097.3	2093.4	2090.6	2.68	1.79	-0.51	-17.8	-42.3	-29.4	-1.54		
5.6	46.40	2106.2	2102.7	2100.6	2.69	1.77	-0.62	-18.3	-42.2	-29.2	-1.60		
5.8	44.80	2115.0	2111.7	2110.2	2.71	1.78	-0.71	-17.4	-41.9	-29.3	-1.73		
6.0	43.52	2123.5	2120.4	2119.7	2.68	1.80	-0.86	-17.3	-41.3	-29.8	-1.79		
6.2	41.92	2131.6	2128.8	2128.8	2.68	1.79	-1.00	-18.2	-40.5	-30.1	-1.86		
6.4	40.64	2139.5	2136.9	2137.5	2.69	1.77	-1.17	-18.6	-40.1	-30.3	-1.79		
6.6	39.04	2147.2	2144.7	2146.0	2.67	1.68	-1.34	-19.0	-39.4	-30.8	-1.86		
6.8	37.12	2154.4	2152.1	2154.1	2.66	1.67	-1.51	-19.5	-39.7	-30.7	-1.86		
7.0	35.52	2161.4	2159.2	2161.7	2.66	1.65	-1.70	-19.0	-39.1	-30.9	-1.86		