

Voltage Controlled Oscillator

MOS-EDR5758

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	46.34	1838.7	1823.5	1819.3	-1.21	-1.28	-1.34	-27.1	-29.3	-39.0	1.48	1	-78
0.5	40.05	1848.2	1833.5	1829.4	-1.10	-1.15	-1.21	-26.5	-29.4	-39.1	1.61	10	-101
0.8	36.24	1857.0	1842.6	1838.5	-1.01	-1.03	-1.09	-26.0	-29.8	-39.3	1.66	100	-123
1.0	33.71	1865.3	1851.0	1846.9	-0.93	-0.94	-0.99	-26.0	-29.2	-40.5	1.76	1000	-141
1.3	31.67	1873.1	1858.9	1854.9	-0.84	-0.86	-0.91	-26.1	-29.1	-40.8	1.81		
1.5	30.19	1880.6	1866.5	1862.4	-0.75	-0.79	-0.83	-26.0	-29.4	-40.4	1.86		
1.8	29.10	1887.8	1873.7	1869.7	-0.68	-0.71	-0.77	-25.8	-29.3	-41.2	1.92		
2.0	28.06	1894.8	1880.7	1876.7	-0.62	-0.63	-0.70	-25.8	-29.5	-41.2	1.00		
2.3	27.10	1901.6	1887.5	1883.5	-0.56	-0.56	-0.62	-25.9	-29.6	-41.1	1.91		
2.5	26.40	1908.3	1894.1	1890.1	-0.51	-0.50	-0.55	-25.8	-29.4	-41.5	1.92		
2.8	25.81	1914.8	1900.6	1896.5	-0.45	-0.45	-0.49	-25.5	-29.4	-41.6	1.93		
3.0	25.24	1921.3	1906.9	1902.8	-0.39	-0.40	-0.45	-25.2	-29.6	-41.8	1.92		
3.3	25.02	1927.6	1913.1	1909.0	-0.34	-0.36	-0.41	-25.1	-29.6	-40.9	1.93		
3.5	24.60	1933.8	1919.3	1915.1	-0.29	-0.32	-0.38	-25.2	-29.7	-40.8	1.95		
3.8	24.20	1940.0	1925.3	1921.2	-0.26	-0.27	-0.35	-25.1	-29.8	-41.2	1.95		
4.0	23.90	1946.1	1931.3	1927.1	-0.22	-0.24	-0.31	-25.0	-29.7	-40.8	1.94		
4.3	23.62	1952.2	1937.2	1933.0	-0.18	-0.20	-0.29	-24.9	-29.6	-40.8	1.92		
4.5	23.50	1958.2	1943.1	1938.9	-0.15	-0.18	-0.27	-24.8	-29.7	-41.1	1.92		
4.8	23.28	1964.3	1948.9	1944.7	-0.12	-0.17	-0.26	-24.9	-29.9	-40.9	1.93		
5.0	23.21	1970.3	1954.7	1950.4	-0.09	-0.16	-0.26	-24.8	-29.8	-40.5	1.92		
5.3	23.09	1976.3	1960.5	1956.2	-0.06	-0.15	-0.27	-24.6	-29.5	-40.6	1.91		
5.5	22.99	1982.3	1966.2	1961.9	-0.03	-0.15	-0.27	-24.3	-29.5	-40.1	1.91		
5.8	22.94	1988.2	1972.0	1967.6	-0.01	-0.16	-0.28	-24.1	-29.8	-39.4	1.92		
6.0	23.10	1994.2	1977.7	1973.4	-0.01	-0.17	-0.29	-23.9	-29.7	-39.2	1.90		
6.3	22.88	2000.1	1983.5	1979.1	-0.01	-0.19	-0.30	-23.8	-29.6	-39.7	1.86		
6.5	22.92	2006.2	1989.2	1984.7	-0.01	-0.22	-0.30	-23.7	-29.7	-40.1	1.85		
6.8	22.97	2012.2	1994.9	1990.4	-0.02	-0.25	-0.32	-23.3	-30.0	-40.2	1.83		
7.0	22.96	2018.2	2000.7	1996.0	-0.06	-0.27	-0.34	-22.9	-30.1	-39.7	1.81		