

Voltage Controlled Oscillator

MOS-EDR5867

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	28.44	1963.0	1955.1	1951.6	2.96	1.51	-0.83	-29.6	-47.7	-41.4	-0.60	1	-81
0.5	26.66	1969.2	1961.7	1958.4	2.96	1.47	-0.87	-29.8	-45.8	-41.0	-0.49	10	-105
0.8	25.92	1975.2	1968.2	1964.9	2.95	1.42	-0.91	-29.7	-46.0	-40.0	-0.39	100	-125
1.0	25.65	1981.3	1974.6	1971.4	2.93	1.37	-0.96	-29.6	-46.2	-39.1	-0.29	1000	-142
1.3	25.68	1987.5	1981.1	1977.9	2.92	1.31	-1.00	-29.6	-46.2	-39.2	-0.26		
1.5	26.31	1993.7	1987.6	1984.4	2.91	1.26	-1.04	-29.7	-44.4	-39.4	-0.12		
1.8	26.77	2000.2	1994.3	1991.0	2.90	1.21	-1.09	-29.8	-43.3	-39.0	-0.05		
2.0	27.44	2006.8	2001.2	1997.8	2.89	1.18	-1.14	-29.7	-43.5	-38.3	0.01		
2.3	28.18	2013.6	2008.2	2004.8	2.87	1.14	-1.18	-29.4	-43.2	-38.2	0.07		
2.5	28.78	2020.6	2015.4	2012.0	2.85	1.10	-1.22	-29.1	-43.1	-37.9	0.13		
2.8	29.62	2027.9	2022.8	2019.3	2.83	1.06	-1.25	-29.3	-42.4	-37.6	0.17		
3.0	30.16	2035.3	2030.4	2026.8	2.81	1.02	-1.29	-29.4	-42.1	-37.6	0.20		
3.3	30.65	2042.8	2038.0	2034.4	2.78	0.98	-1.33	-29.1	-41.7	-38.3	0.23		
3.5	30.92	2050.5	2045.8	2042.2	2.75	0.93	-1.37	-28.5	-42.5	-37.9	0.26		
3.8	31.32	2058.2	2053.6	2049.9	2.71	0.89	-1.40	-28.4	-41.8	-36.9	0.28		
4.0	31.30	2065.9	2061.4	2057.7	2.65	0.84	-1.43	-28.5	-41.9	-37.6	0.30		
4.3	31.32	2073.7	2069.2	2065.5	2.61	0.78	-1.46	-28.2	-41.6	-37.2	0.31		
4.5	30.98	2081.4	2077.0	2073.3	2.55	0.73	-1.50	-27.5	-41.5	-36.5	0.38		
4.8	31.05	2089.2	2084.8	2081.0	2.50	0.67	-1.53	-27.1	-41.4	-36.4	0.35		
5.0	30.63	2096.8	2092.4	2088.7	2.44	0.62	-1.57	-27.2	-41.6	-35.8	0.37		
5.3	30.32	2104.3	2100.0	2096.2	2.38	0.57	-1.60	-27.4	-40.6	-34.7	0.39		
5.5	30.11	2111.9	2107.5	2103.7	2.34	0.52	-1.63	-27.0	-40.7	-34.3	0.38		
5.8	29.64	2119.2	2114.9	2111.1	2.30	0.48	-1.66	-26.3	-40.8	-33.6	0.42		
6.0	29.28	2126.6	2122.2	2118.4	2.26	0.46	-1.68	-26.0	-40.5	-32.7	0.44		
6.3	28.96	2133.9	2129.5	2125.6	2.24	0.45	-1.69	-26.0	-40.4	-32.0	0.45		
6.5	28.66	2141.1	2136.7	2132.7	2.23	0.45	-1.68	-25.9	-40.7	-31.4	0.46		
6.8	28.36	2148.3	2143.7	2139.8	2.20	0.43	-1.67	-25.7	-40.5	-30.9	0.38		
7.0	28.00	2155.4	2150.7	2146.7	2.16	0.41	-1.66	-25.5	-40.3	-29.9	0.45		