

Voltage Controlled Oscillator

ROS-ED9662/1

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	24.08	1926.9	1908.9	1893.3	1.20	2.05	1.86	-28.1	-23.5	-32.4	1.38	1	-78
0.5	22.63	1932.5	1914.5	1898.9	1.20	2.11	1.93	-27.9	-23.6	-31.7	1.36	10	-100
0.8	21.57	1937.8	1919.9	1904.1	1.19	2.17	2.02	-27.7	-23.9	-31.3	1.40	100	-120
1.0	20.99	1943.0	1925.2	1909.3	1.17	2.21	2.10	-27.6	-24.0	-30.5	1.40	1000	-140
1.3	20.92	1948.4	1930.4	1914.4	1.16	2.24	2.16	-27.6	-24.2	-30.5	1.44		
1.5	21.22	1954.2	1935.7	1919.6	1.15	2.25	2.23	-27.3	-24.7	-30.7	1.46		
1.8	21.61	1959.8	1941.1	1924.9	1.11	2.25	2.27	-27.1	-24.8	-30.7	1.49		
2.0	21.90	1965.6	1946.6	1930.2	1.08	2.26	2.31	-26.8	-24.6	-31.0	1.49		
2.3	22.31	1971.5	1952.1	1935.6	1.05	2.24	2.32	-27.0	-24.7	-31.2	1.51		
2.5	22.83	1977.4	1957.8	1941.2	1.01	2.18	2.32	-26.6	-24.8	-30.6	1.51		
2.8	23.60	1983.6	1963.8	1946.9	0.91	2.15	2.34	-26.5	-25.0	-30.9	1.55		
3.0	24.32	1989.8	1969.8	1952.8	0.84	2.12	2.31	-26.4	-24.4	-30.4	1.59		
3.3	24.58	1996.1	1976.0	1958.8	0.79	2.08	2.28	-26.0	-24.6	-29.9	1.61		
3.5	25.34	2002.6	1982.3	1965.0	0.71	2.03	2.25	-25.8	-24.8	-30.3	1.62		
3.8	25.76	2009.1	1988.8	1971.3	0.67	1.94	2.24	-25.6	-24.3	-30.8	1.67		
4.0	26.00	2015.7	1995.3	1977.6	0.67	1.90	2.14	-25.5	-24.2	-30.5	1.71		
4.3	26.00	2022.2	2001.8	1984.0	0.64	1.85	2.11	-25.2	-23.9	-30.4	1.70		
4.5	26.08	2028.7	2008.3	1990.4	0.65	1.80	2.06	-24.8	-23.9	-30.7	1.75		
4.8	26.24	2035.2	2014.8	1996.9	0.66	1.77	2.02	-24.8	-23.3	-30.3	1.77		
5.0	25.88	2041.6	2021.3	2003.3	0.69	1.76	1.94	-24.0	-23.4	-30.2	1.85		
5.3	25.72	2048.0	2027.7	2009.7	0.76	1.78	1.92	-23.9	-23.4	-30.6	1.80		
5.5	25.28	2054.5	2034.1	2015.9	0.80	1.78	1.91	-23.9	-23.2	-30.7	1.87		
5.8	25.00	2060.7	2040.3	2022.2	0.84	1.82	1.90	-23.5	-22.8	-30.5	1.88		
6.0	24.40	2066.8	2046.4	2028.3	0.90	1.87	1.92	-23.4	-23.2	-30.7	1.92		