

Voltage Controlled Oscillator

ROS-ED9819/1

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	29.22	1888.5	1879.9	1871.4	-1.86	-1.17	-1.11	-23.4	-16.9	-29.7	1.03	1	-72
0.5	29.54	1895.8	1887.3	1878.7	-1.74	-1.06	-0.95	-23.2	-17.0	-29.3	1.08	10	-100
0.8	30.16	1903.3	1894.8	1885.9	-1.58	-0.89	-0.86	-23.3	-17.4	-29.6	1.13	100	-120
1.0	30.62	1911.0	1902.5	1893.6	-1.47	-0.79	-0.68	-23.4	-18.2	-29.3	1.10	1000	-140
1.3	31.89	1919.2	1910.5	1901.5	-1.34	-0.61	-0.57	-23.6	-18.4	-29.3	1.10		
1.5	33.73	1927.8	1918.9	1909.8	-1.26	-0.47	-0.38	-23.2	-19.5	-28.8	1.10		
1.8	35.70	1936.9	1927.8	1918.5	-1.21	-0.36	-0.24	-23.4	-20.3	-27.7	1.15		
2.0	37.47	1946.5	1937.2	1927.7	-1.15	-0.28	-0.12	-23.2	-20.8	-28.2	1.17		
2.3	39.22	1956.6	1947.0	1937.4	-1.12	-0.21	-0.05	-23.1	-20.7	-28.1	1.11		
2.5	40.97	1967.0	1957.2	1947.4	-1.14	-0.18	0.01	-22.7	-20.4	-27.9	1.08		
2.8	42.32	1977.9	1967.8	1957.9	-1.20	-0.20	0.00	-22.4	-19.6	-27.5	0.93		
3.0	44.00	1989.0	1978.8	1968.7	-1.21	-0.22	0.00	-21.9	-19.2	-26.4	0.88		
3.3	44.50	2000.2	1990.0	1979.8	-1.22	-0.23	-0.01	-21.6	-18.7	-26.9	0.75		
3.5	45.00	2011.6	2001.2	1991.0	-1.20	-0.26	-0.03	-21.0	-18.2	-26.5	0.64		
3.8	45.32	2023.0	2012.5	2002.3	-1.15	-0.25	-0.03	-20.6	-18.0	-26.3	0.50		
4.0	45.08	2034.5	2023.8	2013.5	-1.04	-0.17	-0.04	-19.9	-17.8	-25.6	0.30		
4.3	45.00	2045.8	2035.1	2024.7	-0.90	-0.06	0.02	-19.7	-17.3	-25.9	0.10		
4.5	44.40	2057.1	2046.2	2035.8	-0.72	0.11	0.13	-19.4	-17.3	-25.7	0.06		
4.8	43.88	2068.2	2057.1	2046.8	-0.47	0.29	0.27	-19.3	-17.0	-25.6	0.20		
5.0	43.00	2079.0	2067.9	2057.5	-0.28	0.54	0.43	-19.1	-16.8	-26.2	0.36		
5.3	42.24	2089.6	2078.4	2068.0	-0.09	0.73	0.67	-18.6	-16.6	-26.4	0.54		
5.5	41.08	2100.0	2088.7	2078.3	0.05	0.91	0.86	-18.4	-16.4	-26.5	0.62		
5.8	39.88	2110.1	2098.7	2088.2	0.16	1.04	1.02	-18.2	-16.4	-25.9	0.78		
6.0	39.04	2119.9	2108.4	2098.0	0.22	1.15	1.15	-18.0	-16.2	-25.8	0.96		
6.3	37.76	2129.5	2117.9	2107.4	0.25	1.22	1.24	-17.8	-16.3	-26.2	1.00		
6.5	36.48	2138.7	2127.0	2116.5	0.25	1.28	1.34	-17.8	-16.1	-26.9	1.10		
6.8	35.60	2147.7	2135.9	2125.3	0.21	1.30	1.37	-17.5	-16.2	-27.4	1.20		
7.0	34.12	2156.3	2144.4	2133.8	0.21	1.29	1.36	-17.6	-16.4	-27.0	1.22		
7.3	33.00	2164.7	2152.7	2142.0	0.13	1.25	1.38	-17.6	-16.5	-27.0	1.32		
7.5	31.84	2172.7	2160.6	2149.9	0.05	1.23	1.33	-17.6	-16.7	-27.3	1.38		
7.8	30.44	2180.5	2168.2	2157.4	0.05	1.15	1.31	-17.7	-16.6	-27.6	1.48		
8.0	29.04	2187.9	2175.5	2164.6	0.02	1.12	1.23	-17.6	-16.8	-27.7	1.58		
8.3	27.72	2195.0	2182.4	2171.5	0.06	1.11	1.17	-17.6	-16.8	-28.2	1.72		
8.5	26.16	2201.7	2189.0	2178.0	0.12	1.07	1.12	-17.6	-17.0	-28.0	1.82		
8.8	24.80	2208.1	2195.2	2184.1	0.19	1.10	1.11	-17.7	-17.1	-27.7	1.88		
9.0	23.28	2214.1	2201.0	2189.8	0.26	1.15	1.10	-17.8	-17.2	-28.0	2.02		
9.3	21.80	2219.7	2206.4	2195.2	0.36	1.20	1.13	-17.9	-17.1	-27.9	2.08		
9.5	20.32	2224.9	2211.5	2200.2	0.43	1.25	1.16	-18.0	-17.2	-28.3	2.14		
9.8	18.84	2229.7	2216.2	2204.9	0.51	1.31	1.21	-18.2	-17.2	-28.3	2.20		
10.0	17.40	2234.2	2220.6	2209.2	0.58	1.38	1.24	-18.4	-17.2	-28.1	2.20		