

Voltage Controlled Oscillator

ROS-ED9689/1

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			
0.2	31.40	1920.5	1914.2	1909.5	-0.99	-0.96	-2.08	-22.4	-24.8	-33.8	0.58	1	-79
0.3	31.31	1925.1	1918.9	1914.2	-0.93	-0.85	-1.82	-22.4	-24.5	-34.0	0.62	10	-104
0.5	31.47	1929.9	1923.6	1918.8	-0.91	-0.73	-1.55	-22.2	-23.8	-33.6	0.62	100	-124
0.6	31.56	1934.6	1928.4	1923.4	-0.88	-0.65	-1.35	-22.6	-23.6	-32.8	0.62	1000	-144
0.8	32.10	1939.4	1933.2	1928.1	-0.87	-0.59	-1.19	-22.5	-23.4	-33.6	0.62		
0.9	32.97	1944.4	1938.1	1932.9	-0.87	-0.52	-1.05	-22.6	-23.9	-34.9	0.67		
1.1	33.89	1949.6	1943.2	1937.9	-0.87	-0.49	-0.97	-22.7	-23.3	-35.8	0.69		
1.2	35.05	1954.9	1948.5	1943.0	-0.87	-0.46	-0.87	-22.9	-23.0	-35.2	0.67		
1.4	36.08	1960.5	1953.9	1948.3	-0.89	-0.43	-0.79	-22.9	-23.3	-35.1	0.74		
1.5	37.42	1966.2	1959.5	1953.7	-0.94	-0.43	-0.73	-23.3	-23.9	-35.2	0.74		
1.7	38.69	1972.2	1965.3	1959.4	-0.95	-0.43	-0.68	-23.6	-24.3	-35.7	0.70		
1.8	40.35	1978.5	1971.3	1965.3	-1.05	-0.43	-0.64	-23.7	-23.8	-35.8	0.73		
2.0	42.29	1984.9	1977.7	1971.4	-1.06	-0.49	-0.61	-23.8	-24.1	-35.1	0.78		
2.1	43.00	1991.4	1984.1	1977.7	-1.09	-0.47	-0.66	-24.4	-24.8	-34.7	0.73		
2.3	43.76	1998.1	1990.7	1984.2	-1.16	-0.47	-0.62	-24.7	-25.0	-34.8	0.70		
2.4	44.83	2005.0	1997.4	1990.9	-1.16	-0.46	-0.58	-24.9	-24.7	-33.8	0.73		
2.6	46.17	2012.0	2004.4	1997.7	-1.16	-0.50	-0.58	-25.2	-24.7	-33.7	0.64		
2.7	47.00	2019.1	2011.4	2004.6	-1.16	-0.47	-0.56	-25.6	-24.4	-33.1	0.64		
2.9	47.87	2026.4	2018.6	2011.7	-1.13	-0.45	-0.51	-25.9	-23.9	-32.6	0.58		
3.0	48.27	2033.8	2025.8	2018.8	-1.05	-0.39	-0.46	-26.2	-23.6	-32.6	0.60		
3.2	49.00	2041.2	2033.2	2026.1	-0.99	-0.32	-0.39	-26.5	-22.9	-32.4	0.50		
3.3	49.53	2048.7	2040.6	2033.4	-0.86	-0.23	-0.29	-27.0	-22.4	-32.6	0.46		
3.5	49.80	2056.3	2048.1	2040.8	-0.78	-0.08	-0.20	-27.4	-22.0	-32.0	0.40		
3.6	49.87	2063.9	2055.6	2048.2	-0.64	0.02	-0.04	-27.6	-21.5	-31.8	0.34		
3.8	50.13	2071.5	2063.1	2055.6	-0.49	0.19	0.06	-27.9	-21.1	-31.7	0.30		
3.9	50.20	2079.0	2070.6	2063.1	-0.34	0.31	0.24	-28.3	-20.4	-31.4	0.20		
4.1	49.80	2086.5	2078.1	2070.5	-0.23	0.48	0.36	-28.9	-20.3	-31.7	0.04		
4.2	49.47	2094.0	2085.5	2077.9	-0.09	0.59	0.54	-28.9	-19.8	-31.4	0.00		
4.4	49.20	2101.5	2092.9	2085.2	-0.01	0.74	0.68	-29.0	-19.5	-31.1	0.10		
4.5	48.73	2108.9	2100.2	2092.5	0.09	0.84	0.79	-29.3	-19.3	-30.5	0.22		
4.7	48.20	2116.2	2107.4	2099.7	0.20	0.92	0.92	-29.7	-19.1	-30.9	0.32		
4.8	47.60	2123.3	2114.6	2106.8	0.21	1.02	1.02	-29.5	-18.8	-30.6	0.38		
5.0	47.07	2130.4	2121.6	2113.8	0.26	1.09	1.14	-28.8	-18.7	-30.7	0.44		
5.1	46.53	2137.5	2128.6	2120.7	0.30	1.11	1.19	-29.2	-18.6	-31.2	0.48		
5.3	45.87	2144.4	2135.5	2127.6	0.28	1.15	1.22	-29.3	-18.6	-31.3	0.62		
5.4	45.33	2151.2	2142.3	2134.3	0.28	1.18	1.27	-29.3	-18.7	-31.2	0.68		
5.6	44.40	2157.9	2148.9	2140.9	0.21	1.14	1.29	-29.2	-18.5	-31.1	0.78		
5.7	43.60	2164.5	2155.5	2147.4	0.20	1.13	1.33	-29.4	-18.4	-31.3	0.88		
5.9	42.87	2171.0	2161.9	2153.8	0.16	1.12	1.27	-28.6	-18.5	-31.0	1.00		
6.0	42.27	2177.3	2168.2	2160.1	0.16	1.05	1.26	-28.6	-18.4	-31.0	1.00		