

Voltage Controlled Oscillator

ROS-ED8984/1

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	30.69	1833.5	1818.6	1809.5	5.19	6.43	6.74	-25.3	-24.3	-40.3	0.85	1	-76
0.3	29.05	1837.9	1823.0	1813.9	5.19	6.39	6.66	-25.0	-24.2	-39.7	0.88	10	-100
0.5	27.91	1842.1	1827.1	1818.2	5.21	6.39	6.60	-25.2	-24.3	-39.8	0.88	100	-120
0.6	27.47	1846.3	1831.3	1822.2	5.24	6.36	6.60	-24.8	-24.2	-37.8	0.95	1000	-140
0.8	26.72	1850.4	1835.3	1826.3	5.27	6.36	6.55	-24.8	-24.2	-38.7	1.01		
0.9	26.58	1854.4	1839.3	1830.2	5.31	6.36	6.53	-24.8	-24.2	-37.8	0.95		
1.1	26.45	1858.5	1843.2	1834.1	5.36	6.39	6.52	-24.7	-23.8	-37.0	0.98		
1.2	26.21	1862.5	1847.2	1838.0	5.39	6.42	6.53	-24.3	-23.8	-37.3	1.05		
1.4	26.32	1866.6	1851.1	1841.9	5.40	6.46	6.55	-24.3	-23.7	-37.7	1.05		
1.5	26.51	1870.7	1855.1	1845.7	5.44	6.48	6.58	-24.2	-23.3	-37.2	1.02		
1.7	26.61	1874.9	1859.1	1849.7	5.47	6.53	6.62	-24.0	-23.3	-37.0	1.08		
1.8	26.94	1879.1	1863.1	1853.7	5.52	6.56	6.65	-23.8	-23.3	-36.3	1.12		
2.0	27.07	1883.4	1867.2	1857.6	5.57	6.56	6.70	-23.8	-23.3	-36.7	1.18		
2.1	27.76	1887.7	1871.3	1861.7	5.63	6.59	6.71	-23.7	-23.2	-37.3	1.15		
2.3	27.90	1892.0	1875.5	1865.8	5.64	6.63	6.73	-23.5	-23.0	-36.8	1.16		
2.4	28.37	1896.4	1879.8	1869.9	5.72	6.67	6.77	-23.0	-22.7	-36.3	1.19		
2.6	28.78	1901.0	1884.1	1874.1	5.79	6.71	6.80	-22.8	-22.5	-36.0	1.22		
2.7	29.24	1905.5	1888.5	1878.4	5.90	6.76	6.83	-22.7	-22.3	-36.0	1.26		
2.9	29.51	1910.1	1892.9	1882.7	6.00	6.81	6.87	-22.3	-22.2	-36.0	1.23		
3.0	29.92	1914.7	1897.4	1887.1	6.11	6.82	6.85	-22.2	-22.3	-36.5	1.26		
3.2	30.32	1919.4	1902.0	1891.6	6.22	6.88	6.89	-22.2	-22.0	-36.2	1.30		
3.3	30.52	1924.2	1906.5	1896.0	6.33	6.98	6.97	-21.7	-21.8	-35.8	1.30		
3.5	30.73	1928.9	1911.1	1900.6	6.42	7.07	7.01	-21.5	-21.8	-36.2	1.31		
3.6	31.34	1933.7	1915.8	1905.1	6.49	7.16	7.10	-21.3	-21.7	-35.3	1.34		
3.8	31.37	1938.6	1920.5	1909.7	6.54	7.25	7.19	-21.2	-21.8	-35.8	1.34		
3.9	31.48	1943.4	1925.3	1914.4	6.59	7.34	7.27	-20.8	-21.5	-35.7	1.35		
4.1	31.77	1948.2	1930.0	1919.0	6.61	7.42	7.35	-20.7	-21.3	-35.5	1.29		
4.2	31.85	1953.1	1934.8	1923.7	6.61	7.47	7.43	-20.7	-21.3	-35.5	1.38		
4.4	31.73	1957.9	1939.6	1928.4	6.59	7.50	7.50	-20.3	-21.0	-35.3	1.39		
4.5	31.83	1962.8	1944.3	1933.1	6.57	7.54	7.55	-20.0	-21.0	-35.2	1.36		
4.7	31.72	1967.6	1949.1	1937.8	6.53	7.54	7.56	-19.8	-21.0	-35.2	1.40		
4.8	31.60	1972.4	1953.8	1942.5	6.55	7.53	7.60	-19.7	-20.8	-35.2	1.37		
5.0	31.66	1977.2	1958.6	1947.1	6.51	7.49	7.63	-19.2	-20.5	-34.2	1.34		
5.1	31.48	1982.0	1963.3	1951.8	6.48	7.44	7.61	-19.0	-20.5	-34.3	1.44		
5.3	31.44	1986.7	1968.0	1956.5	6.47	7.40	7.59	-18.5	-20.3	-33.8	1.41		
5.4	31.32	1991.4	1972.7	1961.1	6.43	7.34	7.53	-18.3	-20.2	-33.7	1.38		
5.6	31.10	1996.1	1977.4	1965.7	6.44	7.35	7.49	-18.0	-20.2	-33.7	1.42		
5.7	31.08	2000.8	1982.1	1970.3	6.44	7.30	7.44	-17.8	-20.2	-33.0	1.42		
5.9	30.74	2005.4	1986.7	1974.9	6.46	7.27	7.37	-17.7	-20.2	-33.0	1.42		
6.0	30.70	2010.0	1991.3	1979.5	6.49	7.24	7.31	-17.5	-20.0	-33.0	1.46		