Voltage Controlled Oscillator ROS-ED10437/1

Typical Performance Data

V TUNE	TUNE SENS (MHz/V)	FREQUENCY (MHz)			POWER OUTPUT (dBm)			HARMONICS (dBc)			FREQ. PUSH (MHz/V)
		-55ºC	+25ºC	+85ºC	-55ºC	+25ºC	+85ºC	F2	F3	F4	
0.1	24.00	1809.2	1802.1	1796.0	4.63	5.57	5.70	-27.5	-34.6	-37.4	1.26
0.3	23.60	1812.2	1805.1	1798.7	4.51	5.53	5.68	-27.5	-34.8	-36.7	1.30
0.4	23.44	1815.3	1808.0	1801.6	4.44	5.53	5.62	-27.2	-34.8	-36.2	1.30
0.5	23.20	1818.2	1810.9	1804.3	4.30	5.48	5.59	-27.2	-34.7	-35.7	1.38
0.6	23.28	1821.3	1813.8	1807.1	4.24	5.47	5.54	-26.9	-35.0	-35.7	1.42
0.8	23.60	1824.4	1816.8	1809.8	4.26	5.43	5.55	-26.6	-34.7	-35.2	1.48
0.9	24.00	1827.5	1819.8	1812.7	4.22	5.44	5.55	-26.2	-34.9	-35.2	1.48
1.0	24.40	1830.6	1822.8	1815.6	4.02	5.46	5.51	-25.9	-34.9	-35.0	1.52
1.1	25.44	1833.8	1826.0	1818.5	3.86	5.44	5.52	-25.5	-35.2	-34.4	1.58
1.3	26.16	1837.3	1829.3	1821.6	3.97	5.46	5.49	-25.1	-35.2	-34.8	1.60
1.4	26.96	1840.8	1832.7	1824.8	3.98	5.48	5.51	-24.6	-35.5	-34.7	1.66
1.5	28.16	1844.4	1836.2	1828.1	3.68	5.47	5.53	-24.2	-35.9	-35.1	1.72
1.6	29.36	1848.3	1839.8	1831.5	3.88	5.50	5.50	-23.6	-36.0	-35.5	1.70
1.8	30.48	1852.3	1843.7	1835.1	3.88	5.55	5.53	-23.1	-36.3	-35.8	1.76
1.9	31.84	1855.1	1847.6	1838.9	3.79	5.57	5.55	-22.7	-36.6	-36.7	1.86
2.0	32.96	1860.9	1851.8	1842.8	4.14	5.57	5.58	-22.1	-36.7	-37.0	1.84
2.1	34.08	1865.2	1856.0	1846.8	4.06	5.58	5.57	-21.6	-36.7	-37.7	1.92
2.3	35.36	1869.6	1860.4	1851.1	4.00	5.60	5.58	-21.0	-37.4	-37.7	1.94
2.4	36.00	1874.5	1864.9	1855.4	3.89	5.58	5.53	-20.3	-37.5	-39.0	1.98
2.5	37.12	1879.3	1869.6	1859.8	4.17	5.58	5.53	-19.9	-38.1	-39.6	2.04
2.6	37.68	1884.2	1874.3	1864.4	4.15	5.55	5.49	-19.3	-38.1	-39.2	2.04
2.8	38.16	1889.2	1879.1	1869.0	4.18	5.48	5.45	-19.1	-38.0	-40.2	2.08
2.9	38.56	1894.2	1883.9	1873.6	4.17	5.44	5.39	-18.6	-37.5	-40.1	2.12
3.0	38.72	1899.1	1888.7	1878.3	4.10	5.36	5.30	-18.3	-37.3	-40.4	2.18
3.1	38.56	1904.0	1893.5	1883.0	4.02	5.28	5.23	-17.9	-37.0	-40.1	2.18
3.3	38.56	1908.9	1898.4	1887.7	3.93	5.18	5.12	-17.4	-36.8	-39.4	2.22
3.4	38.16	1913.7	1903.1	1892.4	3.78	5.06	5.06	-17.0	-35.9	-38.6	2.26
3.5	38.08	1918.4	1907.9	1897.0	3.63	4.94	4.95	-16.9	-35.5	-37.5	2.28
3.6	37.36	1923.0	1912.6	1901.6	3.51	4.80	4.82	-16.5	-34.9	-36.8	2.30
3.8	36.96	1927.6	1917.2	1906.1	3.36	4.70	4.67	-16.2	-34.4	-35.4	2.28
3.9	36.40	1932.1	1921.7	1910.6	3.23	4.54	4.52	-15.9	-34.0	-34.7	2.24
4.0	35.44	1936.4	1926.2	1914.9	3.01	4.39	4.37	-15.8	-33.4	-33.5	2.22
4.1	34.64	1940.6	1930.5	1919.1	2.79	4.24	4.21	-15.6	-32.8	-33.0	2.16
4.3	33.36	1944.7	1934.7	1923.1	2.54	4.09	4.07	-15.5	-32.5	-32.4	2.14
4.4	32.64	1948.8	1938.7	1927.1	2.52	3.97	3.97	-15.4	-32.6	-31.7	2.04
4.5	30.96	1952.6	1942.6	1930.8	2.43	3.83	3.83	-15.4	-32.3	-31.1	2.00
4.6	29.68	1956.3	1946.3	1934.3	2.28	3.72	3.72	-15.4	-32.3	-30.3	2.00
4.8	27.92	1959.8	1949.8	1937.7	2.19	3.64	3.63	-15.4	-31.9	-29.8	1.94
4.9	26.16	1963.1	1953.1	1940.8	2.11	3.55	3.54	-15.4	-31.6	-29.4	1.96
5.0	24.64	1966.1	1956.2	1943.7	2.02	3.46	3.44	-15.5	-31.5	-28.9	1.94

FREQ OFFSET (KHz)	PHASE NOISE (dBc/Hz)
1	-77
10	-104
100	-125
1000	-145