

Voltage Controlled Oscillator

ROS-ED10260/1

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			
0.1	19.38	1818.4	1812.2	1807.1	3.54	4.38	3.98	-25.0	-40.2	-32.5	0.99	1	-85
0.3	20.18	1820.9	1814.7	1809.5	3.52	4.34	3.96	-24.9	-39.9	-32.2	1.04	10	-111
0.4	19.82	1823.3	1817.2	1811.9	3.49	4.32	3.94	-24.9	-40.5	-32.1	1.08	100	-132
0.5	19.74	1825.7	1819.7	1814.3	3.47	4.29	3.91	-25.0	-39.1	-32.0	1.10	1000	-150
0.6	19.71	1828.2	1822.1	1816.7	3.45	4.27	3.90	-25.2	-39.7	-31.2	1.13		
0.8	19.93	1830.7	1824.6	1819.0	3.43	4.25	3.87	-25.0	-39.6	-31.5	1.15		
0.9	20.08	1833.2	1827.1	1821.5	3.41	4.22	3.85	-25.3	-39.4	-31.4	1.19		
1.0	20.66	1835.8	1829.7	1823.9	3.39	4.20	3.83	-25.4	-39.2	-31.1	1.24		
1.1	21.18	1838.5	1832.3	1826.5	3.37	4.17	3.81	-25.4	-39.2	-31.2	1.29		
1.3	20.39	1841.1	1834.9	1828.9	3.35	4.15	3.78	-25.4	-39.1	-30.8	1.31		
1.4	22.52	1843.9	1837.7	1831.6	3.33	4.12	3.76	-25.4	-38.1	-30.7	1.38		
1.5	23.18	1846.9	1840.6	1834.4	3.30	4.09	3.74	-25.6	-39.1	-30.8	1.38		
1.6	24.46	1850.1	1843.7	1837.3	3.27	4.06	3.72	-25.7	-39.5	-30.7	1.47		
1.8	25.29	1853.3	1846.8	1840.3	3.24	4.03	3.70	-25.6	-39.2	-30.3	1.52		
1.9	26.30	1856.7	1850.1	1843.4	3.21	4.00	3.67	-25.7	-38.9	-30.7	1.58		
2.0	27.41	1860.3	1853.5	1846.7	3.17	3.96	3.64	-25.7	-38.9	-30.4	1.61		
2.1	28.43	1863.9	1857.1	1850.1	3.13	3.92	3.61	-25.6	-39.2	-29.8	1.63		
2.3	29.22	1867.7	1860.7	1853.6	3.07	3.87	3.59	-25.6	-38.8	-29.5	1.63		
2.4	28.05	1871.3	1864.3	1857.0	3.02	3.83	3.55	-25.8	-39.1	-29.3	1.63		
2.5	31.28	1875.3	1868.2	1860.8	2.95	3.77	3.51	-25.8	-38.6	-28.8	1.58		
2.6	31.55	1879.3	1872.1	1864.6	2.87	3.71	3.47	-26.0	-38.8	-28.7	1.50		
2.8	32.02	1883.4	1876.1	1868.5	2.79	3.64	3.42	-25.9	-39.0	-28.6	1.36		
2.9	32.10	1887.4	1880.1	1872.4	2.70	3.56	3.37	-26.3	-39.0	-28.5	1.27		
3.0	31.89	1891.5	1884.1	1876.4	2.61	3.48	3.31	-26.5	-38.8	-28.2	1.13		
3.1	31.50	1895.4	1888.0	1880.3	2.51	3.40	3.25	-26.5	-38.5	-28.4	0.94		
3.3	30.94	1899.3	1891.9	1884.1	2.41	3.33	3.18	-26.2	-38.9	-28.0	0.75		
3.4	28.18	1902.8	1895.4	1887.6	2.31	3.25	3.12	-26.4	-38.4	-27.9	0.56		
3.5	29.26	1906.4	1899.1	1891.3	2.22	3.17	3.07	-26.5	-38.6	-27.7	0.38		
3.6	28.16	1909.9	1902.6	1894.8	2.12	3.08	3.00	-26.7	-38.8	-27.4	0.19		
3.8	26.91	1913.3	1906.0	1898.2	2.03	3.01	2.93	-26.3	-38.0	-27.6	0.05		
3.9	25.59	1916.4	1909.2	1901.4	1.94	2.94	2.88	-26.5	-37.9	-27.3	0.05		
4.0	24.30	1919.4	1912.2	1904.4	1.86	2.87	2.82	-26.3	-38.8	-27.2	0.14		
4.1	22.72	1922.2	1915.1	1907.3	1.79	2.81	2.77	-26.4	-37.6	-26.8	0.19		
4.3	21.12	1924.8	1917.7	1909.9	1.71	2.75	2.71	-26.5	-37.9	-26.9	0.24		
4.4	19.90	1927.2	1920.2	1912.4	1.64	2.70	2.67	-26.4	-37.5	-26.5	0.19		
4.5	16.90	1929.3	1922.3	1914.5	1.59	2.65	2.63	-26.4	-37.5	-26.6	0.14		
4.6	16.96	1931.4	1924.4	1916.6	1.53	2.60	2.59	-26.3	-37.3	-26.5	0.05		
4.8	15.74	1933.3	1926.4	1918.5	1.48	2.56	2.56	-26.3	-37.3	-26.4	0.05		
4.9	14.50	1935.0	1928.2	1920.3	1.43	2.52	2.52	-26.3	-37.1	-26.2	0.14		
5.0	13.14	1936.6	1929.8	1922.0	1.39	2.49	2.49	-26.5	-37.0	-26.3	0.29		
5.1	11.99	1938.0	1931.3	1923.4	1.36	2.46	2.46	-26.6	-36.4	-26.1	0.43		
5.3	10.96	1939.3	1932.7	1924.8	1.32	2.44	2.44	-26.4	-36.8	-26.2	0.53		
5.4	10.05	1940.5	1934.0	1926.0	1.29	2.41	2.42	-26.6	-36.7	-26.2	0.67		
5.5	9.12	1941.6	1935.1	1927.2	1.26	2.38	2.40	-26.3	-36.9	-26.1	0.77		
5.6	7.76	1942.5	1936.1	1928.1	1.23	2.37	2.39	-26.3	-36.5	-26.0	0.88		
5.8	7.76	1943.4	1937.0	1929.1	1.22	2.34	2.37	-26.4	-36.5	-26.0	0.98		
5.9	6.98	1944.2	1937.9	1930.0	1.20	2.34	2.35	-26.3	-36.0	-26.2	1.12		
6.0	6.62	1945.0	1938.74	1930.79	1.17	2.32	2.34	-26.6	-36.3	-25.9	1.15		