

Voltage Controlled Oscillator

ROS-ED10313/1

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	27.92	1833.5	1829.8	1825.1	-0.58	0.55	0.62	-27.3	-39.8	-45.2	0.62	1	-85
0.3	26.72	1836.8	1833.1	1828.4	-0.56	0.59	0.68	-27.4	-38.5	-44.9	0.68	10	-107
0.4	25.84	1840.1	1836.4	1831.5	-0.52	0.60	0.69	-27.6	-38.7	-44.6	0.68	100	-127
0.5	24.56	1843.3	1839.4	1834.5	-0.43	0.65	0.74	-27.5	-39.3	-44.6	0.68	1000	-145
0.6	23.92	1846.4	1842.4	1837.4	-0.40	0.67	0.75	-27.6	-39.5	-43.2	0.66		
0.8	23.68	1849.4	1845.4	1840.3	-0.33	0.74	0.80	-27.6	-40.3	-43.4	0.72		
0.9	23.12	1852.4	1848.3	1843.0	-0.28	0.79	0.87	-27.5	-40.2	-44.0	0.76		
1.0	22.80	1855.3	1851.1	1845.8	-0.22	0.81	0.88	-27.4	-39.8	-44.7	0.72		
1.1	22.24	1858.1	1853.9	1848.5	-0.17	0.85	0.91	-27.7	-39.8	-43.2	0.80		
1.3	22.08	1860.9	1856.7	1851.2	-0.13	0.87	0.93	-27.5	-39.7	-43.4	0.76		
1.4	21.92	1863.7	1859.4	1853.9	-0.12	0.90	0.93	-27.1	-39.8	-43.5	0.76		
1.5	21.68	1866.4	1862.1	1856.6	-0.11	0.91	0.92	-27.1	-38.9	-42.3	0.76		
1.6	21.92	1869.1	1864.9	1859.4	-0.12	0.87	0.94	-27.3	-39.3	-43.0	0.76		
1.8	22.08	1871.9	1867.6	1862.1	-0.13	0.85	0.92	-27.1	-38.9	-41.9	0.76		
1.9	22.40	1874.7	1870.4	1864.9	-0.18	0.83	0.88	-27.0	-38.2	-41.5	0.72		
2.0	22.72	1877.6	1873.3	1867.7	-0.31	0.76	0.86	-26.6	-39.1	-40.5	0.68		
2.1	23.52	1880.6	1876.2	1870.5	-0.39	0.71	0.83	-27.0	-38.7	-39.7	0.66		
2.3	23.92	1883.6	1879.2	1873.4	-0.51	0.59	0.77	-26.9	-38.9	-39.3	0.58		
2.4	24.56	1886.8	1882.3	1876.4	-0.61	0.54	0.73	-26.7	-38.5	-38.6	0.54		
2.5	25.12	1890.0	1885.4	1879.4	-0.76	0.45	0.65	-26.7	-37.9	-38.2	0.54		
2.6	25.68	1893.3	1888.6	1882.5	-0.91	0.33	0.60	-26.4	-37.9	-37.5	0.50		
2.8	26.24	1896.7	1891.9	1885.6	-1.01	0.26	0.54	-26.6	-36.5	-37.5	0.50		
2.9	26.56	1900.1	1895.2	1888.8	-1.15	0.15	0.44	-26.6	-37.0	-38.3	0.46		
3.0	26.96	1903.7	1898.6	1892.0	-1.30	0.06	0.39	-26.3	-37.6	-38.2	0.44		
3.1	27.44	1907.2	1902.0	1895.3	-1.38	0.00	0.32	-26.4	-38.2	-37.3	0.40		
3.3	27.84	1910.9	1905.5	1898.6	-1.50	-0.11	0.22	-26.5	-38.2	-35.8	0.40		
3.4	28.32	1914.5	1909.0	1902.0	-1.61	-0.21	0.18	-26.3	-37.7	-36.5	0.42		
3.5	28.48	1918.2	1912.6	1905.4	-1.72	-0.30	0.09	-26.7	-38.2	-36.7	0.38		
3.6	28.96	1922.0	1916.2	1908.9	-1.79	-0.34	0.00	-26.4	-38.4	-35.1	0.40		
3.8	29.20	1925.8	1919.9	1912.4	-1.84	-0.42	-0.03	-26.2	-37.2	-34.5	0.38		
3.9	29.20	1929.6	1923.5	1915.9	-1.91	-0.49	-0.11	-26.2	-37.8	-33.4	0.40		
4.0	29.44	1933.4	1927.2	1919.5	-1.97	-0.51	-0.19	-26.2	-37.3	-32.7	0.40		
4.1	29.76	1937.2	1930.9	1923.0	-2.00	-0.58	-0.25	-26.0	-37.2	-33.2	0.40		
4.3	29.84	1941.1	1934.6	1926.6	-2.04	-0.64	-0.28	-26.0	-37.5	-32.8	0.38		
4.4	30.00	1944.9	1938.4	1930.3	-2.09	-0.66	-0.32	-25.9	-37.9	-33.7	0.44		
4.5	30.00	1948.8	1942.1	1933.9	-2.10	-0.67	-0.39	-25.9	-37.3	-33.4	0.40		
4.6	29.76	1952.6	1945.9	1937.5	-2.12	-0.74	-0.41	-25.9	-38.2	-34.0	0.40		
4.8	30.00	1956.4	1949.6	1941.2	-2.14	-0.75	-0.44	-25.8	-38.5	-33.2	0.38		
4.9	29.60	1960.2	1953.3	1944.8	-2.14	-0.74	-0.48	-25.8	-37.8	-33.6	0.40		
5.0	29.76	1964.0	1957.0	1948.4	-2.13	-0.77	-0.49	-25.8	-38.5	-33.5	0.34		