

Voltage Controlled Oscillator

ROS-ED10559/1

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	26.08	1812.0	1805.1	1798.6	5.80	6.50	6.63	-22.1	-39.5	-47.4	0.50	1	-74
0.3	25.76	1815.2	1808.4	1801.8	5.71	6.44	6.55	-22.3	-39.6	-46.8	0.54	10	-100
0.4	25.60	1818.4	1811.6	1805.0	5.63	6.37	6.51	-22.6	-40.1	-52.5	0.54	100	-120
0.5	25.12	1821.5	1814.7	1808.1	5.49	6.30	6.49	-22.8	-39.7	-52.8	0.54	1000	-140
0.6	25.36	1824.7	1817.9	1811.2	5.41	6.25	6.42	-22.8	-39.8	-51.7	0.60		
0.8	25.76	1828.0	1821.1	1814.3	5.31	6.13	6.39	-22.9	-39.0	-52.5	0.62		
0.9	25.92	1831.4	1824.3	1817.4	5.18	6.08	6.32	-23.0	-39.5	-50.9	0.62		
1.0	26.64	1834.8	1827.7	1820.7	5.09	6.03	6.29	-23.2	-39.1	-52.4	0.68		
1.1	27.44	1838.3	1831.1	1824.0	4.99	5.94	6.27	-23.4	-38.8	-51.9	0.70		
1.3	28.08	1842.0	1834.6	1827.3	4.86	5.89	6.20	-23.7	-38.9	-51.9	0.76		
1.4	29.04	1845.8	1838.2	1830.8	4.77	5.84	6.17	-23.9	-39.4	-50.3	0.76		
1.5	30.24	1849.7	1842.0	1834.5	4.66	5.75	6.14	-24.4	-39.2	-50.5	0.84		
1.6	31.36	1853.8	1845.9	1838.3	4.55	5.71	6.11	-24.8	-39.1	-51.8	0.86		
1.8	32.64	1858.1	1850.0	1842.2	4.43	5.65	6.04	-25.5	-38.6	-51.6	0.88		
1.9	34.24	1862.5	1854.3	1846.3	4.28	5.57	6.02	-26.0	-38.9	-50.6	0.96		
2.0	35.44	1867.2	1858.7	1850.5	4.15	5.50	5.98	-26.4	-38.7	-51.1	1.00		
2.1	36.80	1872.1	1863.3	1854.9	4.03	5.39	5.92	-26.8	-38.7	-51.1	1.04		
2.3	38.32	1877.1	1868.1	1859.5	3.90	5.31	5.87	-27.3	-39.0	-52.1	1.04		
2.4	39.60	1882.3	1873.1	1864.3	3.75	5.21	5.77	-27.7	-38.7	-50.7	1.04		
2.5	40.96	1887.6	1878.2	1869.2	3.58	5.07	5.71	-28.2	-38.9	-50.1	1.04		
2.6	41.84	1893.0	1883.4	1874.3	3.45	4.98	5.63	-29.0	-38.9	-51.5	0.98		
2.8	42.48	1898.6	1888.7	1879.4	3.32	4.86	5.51	-29.8	-39.0	-49.8	0.94		
2.9	42.96	1904.1	1894.1	1884.6	3.20	4.77	5.43	-30.4	-38.9	-51.1	0.86		
3.0	42.80	1909.7	1899.4	1889.9	3.10	4.65	5.33	-31.1	-39.2	-51.3	0.72		
3.1	42.56	1915.2	1904.8	1895.1	3.00	4.52	5.24	-31.6	-38.8	-50.4	0.58		
3.3	42.00	1920.6	1910.0	1900.3	2.90	4.41	5.14	-32.4	-39.4	-50.1	0.40		
3.4	41.04	1925.8	1915.1	1905.3	2.82	4.33	5.05	-32.7	-39.4	-48.9	0.24		
3.5	39.60	1930.8	1920.1	1910.2	2.76	4.26	4.96	-32.7	-39.7	-47.5	0.06		
3.6	37.92	1935.6	1924.8	1914.9	2.70	4.18	4.87	-32.8	-39.2	-48.2	0.08		
3.8	36.24	1940.2	1929.4	1919.4	2.68	4.11	4.78	-32.7	-39.8	-47.6	0.20		
3.9	34.16	1944.4	1933.6	1923.7	2.63	4.05	4.72	-32.4	-39.8	-46.3	0.30		
4.0	31.84	1948.4	1937.6	1927.7	2.64	4.07	4.65	-32.3	-40.0	-46.6	0.34		
4.1	29.68	1952.1	1941.3	1931.4	2.64	4.05	4.62	-32.0	-40.1	-45.2	0.38		
4.3	27.52	1955.5	1944.8	1934.8	2.66	4.00	4.56	-31.7	-39.9	-45.0	0.42		
4.4	25.28	1958.6	1947.9	1938.0	2.67	4.01	4.53	-31.4	-40.1	-43.4	0.34		
4.5	23.36	1961.4	1950.8	1940.9	2.68	4.01	4.50	-30.9	-39.8	-43.2	0.28		
4.6	21.36	1964.1	1953.5	1943.6	2.72	4.02	4.46	-30.6	-40.0	-43.0	0.14		
4.8	19.44	1966.4	1955.9	1946.0	2.73	4.02	4.44	-30.2	-39.8	-42.6	0.04		
4.9	17.60	1968.6	1958.1	1948.2	2.76	4.06	4.44	-30.3	-39.7	-41.9	0.08		
5.0	16.16	1970.5	1960.2	1950.2	2.77	4.06	4.42	-29.8	-39.8	-42.1	0.26		