

Voltage Controlled Oscillator

ROS-ED9563/1

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			
0.3	160.71	1675.1	1651.9	1637.6	7.02	6.84	6.38	-16.5	-20.5	-33.9	3.36	1	-72
0.6	123.97	1710.2	1689.1	1676.1	7.30	6.71	6.17	-17.3	-20.8	-33.6	2.11	10	-100
0.9	106.06	1740.5	1720.9	1708.7	7.53	7.07	6.46	-17.9	-21.6	-33.3	1.59	100	-120
1.2	95.40	1768.2	1749.5	1737.9	7.49	7.21	6.73	-18.6	-22.6	-33.4	1.22	1000	-140
1.5	87.81	1793.9	1775.8	1764.6	7.27	7.15	6.70	-19.3	-23.5	-34.9	1.00		
1.8	82.70	1818.3	1800.7	1789.7	6.95	6.90	6.54	-20.0	-24.8	-35.1	0.81		
2.1	77.43	1841.1	1823.9	1813.3	6.78	6.60	6.21	-20.5	-26.1	-36.3	0.66		
2.4	74.40	1863.1	1846.2	1835.7	6.79	6.49	6.03	-21.2	-26.8	-37.4	0.55		
2.7	71.15	1884.3	1867.6	1857.1	6.92	6.54	5.98	-22.5	-26.9	-38.7	0.49		
3.0	69.33	1904.9	1888.4	1878.4	7.15	6.70	6.08	-22.6	-27.1	-38.2	0.41		
3.3	67.06	1924.8	1908.5	1898.6	7.27	6.91	6.26	-23.3	-27.0	-38.9	0.33		
3.6	65.60	1944.4	1928.2	1918.3	7.24	7.00	6.45	-23.6	-26.2	-38.4	0.26		
3.9	63.81	1963.5	1947.3	1937.5	7.12	6.96	6.45	-24.6	-26.2	-39.7	0.21		
4.2	62.53	1982.3	1966.1	1956.2	6.93	6.83	6.36	-25.1	-26.3	-40.0	0.15		
4.5	61.85	2000.8	1984.6	1974.7	6.71	6.61	6.18	-26.4	-26.0	-40.5	0.10		
4.8	60.46	2018.9	2002.8	1992.9	6.60	6.41	5.97	-27.6	-26.7	-40.1	0.05		
5.1	59.40	2036.8	2020.6	2010.7	6.59	6.33	5.85	-28.1	-28.1	-40.7	0.03		
5.4	58.87	2054.4	2038.2	2028.4	6.73	6.36	5.79	-29.2	-28.8	-41.2	0.03		
5.7	58.13	2071.8	2055.7	2045.8	6.87	6.46	5.86	-29.2	-29.5	-42.5	0.04		
6.0	57.70	2089.0	2073.0	2063.1	7.07	6.66	6.02	-30.1	-29.0	-44.9	0.07		
6.3	57.40	2106.3	2090.2	2080.3	7.14	6.79	6.18	-29.9	-28.2	-43.2	0.14		
6.6	57.17	2123.5	2107.4	2097.4	7.13	6.86	6.31	-29.1	-27.3	-43.9	0.17		
6.9	57.00	2140.7	2124.5	2114.4	7.05	6.85	6.38	-28.6	-27.0	-42.9	0.20		
7.2	56.97	2157.7	2141.5	2131.4	6.82	6.77	6.31	-27.6	-26.6	-43.8	0.25		
7.5	56.50	2174.8	2158.5	2148.4	6.59	6.53	6.14	-27.1	-26.8	-42.1	0.30		
7.8	56.60	2191.8	2175.5	2165.3	6.46	6.31	5.92	-26.1	-26.6	-41.6	0.31		
8.1	56.50	2208.7	2192.4	2182.2	6.47	6.18	5.73	-24.9	-26.9	-41.6	0.39		
8.4	56.70	2225.9	2209.4	2199.2	6.60	6.20	5.66	-24.7	-26.9	-41.7	0.41		
8.7	56.80	2242.9	2226.5	2216.1	6.83	6.33	5.71	-23.7	-26.3	-42.0	0.42		
9.0	57.00	2260.1	2243.6	2233.1	6.99	6.56	5.91	-22.8	-26.7	-42.2	0.46		
9.3	57.07	2277.3	2260.7	2250.2	7.13	6.72	6.11	-22.6	-26.2	-42.2	0.51		
9.6	57.23	2294.4	2277.9	2267.3	7.11	6.87	6.26	-22.0	-26.3	-42.0	0.53		
9.9	57.37	2311.9	2295.1	2284.5	7.02	6.83	6.36	-21.5	-26.3	-42.4	0.57		
10.2	58.23	2329.3	2312.5	2301.8	6.84	6.70	6.30	-20.9	-26.0	-42.1	0.63		
10.5	58.30	2346.6	2330.0	2319.2	6.56	6.57	6.16	-20.2	-25.2	-42.1	0.66		
10.8	58.00	2364.4	2347.4	2336.7	6.25	6.28	5.99	-20.2	-25.2	-40.8	0.64		
11.1	58.83	2381.9	2365.1	2354.1	6.16	5.96	5.62	-19.3	-25.6	-40.1	0.66		
11.4	59.30	2400.1	2382.9	2372.0	6.29	5.89	5.40	-19.0	-25.6	-39.0	0.66		
11.7	59.90	2417.9	2400.8	2389.7	6.57	6.03	5.44	-18.6	-25.5	-38.9	0.66		