

Voltage Controlled Oscillator

ROS-ED10423/1

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	36.33	1635.2	1624.1	1614.1	6.15	7.03	7.35	-20.4	-21.6	-29.7	1.04	1	-79
0.3	35.66	1639.6	1628.5	1618.6	6.04	6.95	7.30	-20.7	-21.5	-29.8	1.09	10	-103
0.4	35.22	1643.9	1632.9	1623.0	5.93	6.87	7.23	-20.9	-21.5	-30.1	1.12	100	-124
0.5	35.18	1648.4	1637.3	1627.4	5.82	6.82	7.20	-21.2	-21.5	-29.9	1.14	1000	-143
0.6	35.38	1652.8	1641.8	1631.8	5.71	6.70	7.11	-21.5	-21.3	-29.9	1.16		
0.8	35.92	1657.4	1646.2	1636.2	5.64	6.60	7.02	-21.9	-21.2	-30.2	1.20		
0.9	37.11	1662.1	1650.9	1640.8	5.59	6.49	6.92	-22.3	-21.0	-29.9	1.24		
1.0	37.91	1667.0	1655.6	1645.5	5.47	6.39	6.82	-22.6	-21.0	-30.2	1.27		
1.1	39.78	1672.1	1660.6	1650.3	5.43	6.33	6.72	-23.0	-20.8	-30.4	1.29		
1.3	41.19	1677.4	1665.7	1655.3	5.33	6.22	6.59	-23.6	-20.7	-30.6	1.33		
1.4	43.01	1682.9	1671.1	1660.6	5.31	6.19	6.53	-23.9	-20.6	-30.6	1.39		
1.5	45.02	1688.7	1676.7	1666.1	5.24	6.09	6.42	-24.1	-20.4	-30.7	1.41		
1.6	47.21	1694.8	1682.6	1671.8	5.21	6.07	6.38	-24.2	-20.4	-31.2	1.43		
1.8	49.82	1701.2	1688.9	1677.9	5.16	6.00	6.28	-24.2	-20.1	-31.1	1.45		
1.9	52.09	1708.0	1695.4	1684.2	5.17	5.97	6.25	-24.7	-19.8	-30.9	1.45		
2.0	54.59	1714.9	1702.2	1690.9	5.17	5.92	6.18	-25.1	-20.0	-30.6	1.44		
2.1	56.82	1722.2	1709.3	1697.8	5.15	5.95	6.18	-25.3	-19.6	-31.1	1.38		
2.3	58.76	1729.8	1716.7	1705.0	5.18	5.95	6.15	-25.7	-19.3	-31.1	1.38		
2.4	60.85	1737.8	1724.3	1712.6	5.22	6.01	6.18	-26.0	-19.3	-31.6	1.29		
2.5	62.66	1746.0	1732.1	1720.3	5.18	6.00	6.19	-26.7	-19.1	-31.8	1.16		
2.6	65.12	1754.4	1740.2	1728.2	5.11	6.03	6.25	-27.6	-19.2	-31.5	1.08		
2.8	66.54	1762.9	1748.6	1736.3	4.93	6.06	6.24	-28.1	-18.8	-31.4	0.92		
2.9	68.38	1771.7	1757.1	1744.7	4.89	5.93	6.24	-28.8	-18.6	-31.5	0.70		
3.0	68.40	1780.4	1765.7	1753.2	4.71	5.74	6.18	-29.4	-18.4	-31.6	0.57		
3.1	68.91	1789.3	1774.3	1761.8	4.51	5.70	6.15	-30.1	-18.2	-31.5	0.31		
3.3	69.71	1798.2	1783.0	1770.5	4.32	5.50	5.98	-30.5	-18.3	-31.9	0.04		
3.4	69.44	1806.9	1791.7	1779.1	4.20	5.34	5.79	-30.4	-18.2	-31.2	0.22		
3.5	68.79	1815.7	1800.3	1787.7	4.03	5.15	5.58	-30.5	-18.4	-31.7	0.48		
3.6	68.17	1824.3	1808.8	1796.4	3.91	4.95	5.42	-30.1	-18.6	-32.2	0.85		
3.8	67.86	1832.7	1817.3	1804.9	3.75	4.82	5.24	-29.6	-19.0	-32.6	1.15		
3.9	67.38	1841.0	1825.7	1813.4	3.66	4.68	5.05	-29.1	-19.7	-33.5	1.46		
4.0	66.74	1849.2	1834.0	1821.8	3.58	4.52	4.89	-28.7	-19.9	-35.7	1.87		
4.1	65.55	1857.3	1842.2	1830.0	3.46	4.44	4.76	-28.4	-20.8	-37.7	2.16		
4.3	63.25	1865.3	1850.1	1837.9	3.44	4.39	4.69	-28.1	-21.5	-39.7	2.46		
4.4	60.14	1873.0	1857.6	1845.5	3.47	4.39	4.59	-27.7	-21.8	-42.2	2.73		
4.5	58.48	1880.4	1865.0	1852.8	3.43	4.34	4.58	-27.7	-22.6	-43.6	2.99		
4.6	55.02	1887.4	1871.8	1859.7	3.43	4.32	4.57	-27.5	-22.6	-43.4	3.27		
4.8	52.08	1893.9	1878.3	1866.3	3.48	4.38	4.53	-27.3	-22.7	-42.3	3.43		
4.9	48.95	1900.0	1884.5	1872.5	3.46	4.37	4.57	-27.1	-22.6	-42.6	3.62		
5.0	46.25	1905.8	1890.2	1878.4	3.47	4.37	4.57	-26.8	-22.6	-42.2	3.70		
5.1	43.12	1911.0	1895.6	1883.9	3.41	4.37	4.57	-26.6	-22.5	-41.6	3.75		
5.3	40.22	1916.0	1900.7	1889.1	3.42	4.35	4.56	-26.6	-22.4	-40.4	3.80		
5.4	37.82	1920.6	1905.4	1893.9	3.35	4.34	4.55	-26.6	-22.3	-40.4	3.72		
5.5	35.02	1924.8	1909.8	1898.4	3.35	4.28	4.53	-26.6	-22.2	-40.1	3.68		
5.6	32.88	1928.6	1913.9	1902.6	3.31	4.27	4.53	-26.5	-22.2	-40.3	3.58		
5.8	30.26	1932.2	1917.7	1906.5	3.30	4.18	4.49	-26.3	-22.3	-39.2	3.39		
5.9	27.79	1935.4	1921.1	1910.1	3.24	4.17	4.43	-26.3	-22.2	-38.8	3.17		
6.0	25.92	1938.45	1924.37	1913.39	3.2	4.17	4.42	-26.1	-22.1	-39.6	2.98		