

Voltage Controlled Oscillator

ROS-ED9673/1

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	23.12	1631.2	1623.1	1614.9	2.57	3.47	3.64	-29.7	-19.0	-32.8	0.32	1	-80
0.5	22.77	1637.0	1628.8	1620.5	2.55	3.42	3.68	-29.1	-18.9	-32.6	0.24	10	-104
0.8	22.99	1642.9	1634.6	1626.1	2.50	3.39	3.67	-28.4	-19.1	-32.5	0.12	100	-124
1.0	23.96	1649.0	1640.6	1632.0	2.48	3.36	3.62	-27.8	-19.2	-32.0	0.12	1000	-144
1.3	25.14	1655.4	1646.8	1638.1	2.49	3.35	3.55	-27.1	-19.3	-31.8	0.00		
1.5	26.38	1662.2	1653.4	1644.5	2.68	3.30	3.53	-26.6	-19.3	-31.6	0.08		
1.8	27.62	1669.3	1660.3	1651.2	2.52	3.49	3.51	-25.9	-19.3	-31.4	0.12		
2.0	29.07	1676.8	1667.6	1658.3	2.70	3.32	3.65	-25.7	-19.7	-31.0	0.17		
2.3	30.37	1684.6	1675.2	1665.7	2.61	3.51	3.51	-25.0	-19.6	-31.3	0.17		
2.5	31.62	1692.7	1683.1	1673.5	2.68	3.42	3.68	-23.9	-20.1	-31.1	0.21		
2.8	32.59	1701.1	1691.3	1681.4	2.77	3.44	3.67	-23.1	-20.1	-30.5	0.17		
3.0	33.27	1709.6	1699.6	1689.6	2.90	3.58	3.62	-22.5	-20.5	-30.3	0.17		
3.3	33.86	1718.3	1708.0	1697.9	3.00	3.71	3.76	-21.9	-20.4	-30.3	0.13		
3.5	34.09	1727.0	1716.6	1706.3	3.11	3.76	3.79	-21.5	-20.5	-29.8	0.13		
3.8	34.18	1735.7	1725.1	1714.7	3.28	3.91	3.94	-21.2	-20.9	-30.0	0.04		
4.0	33.94	1744.4	1733.6	1723.0	3.28	4.07	4.08	-20.9	-20.9	-29.5	0.00		
4.3	33.72	1753.0	1742.0	1731.3	3.53	4.19	4.17	-20.6	-21.2	-29.6	0.04		
4.5	33.19	1761.5	1750.3	1739.5	3.41	4.31	4.34	-20.4	-21.0	-29.1	0.13		
4.8	32.58	1769.8	1758.5	1747.5	3.53	4.21	4.47	-20.2	-21.0	-28.8	0.13		
5.0	31.96	1778.0	1766.5	1755.4	3.38	4.31	4.53	-20.1	-20.9	-28.7	0.18		
5.3	31.17	1785.9	1774.2	1763.0	3.41	4.29	4.48	-19.8	-21.1	-28.8	0.18		
5.5	30.38	1793.7	1781.8	1770.5	3.33	4.18	4.49	-19.8	-21.1	-28.8	0.22		
5.8	29.37	1801.1	1789.2	1777.7	3.29	4.16	4.33	-19.7	-21.3	-28.8	0.18		
6.0	28.36	1808.3	1796.3	1784.7	3.21	4.12	4.35	-19.7	-21.3	-28.9	0.13		
6.3	27.52	1815.3	1803.2	1791.4	3.24	4.02	4.31	-19.7	-21.7	-29.2	0.09		
6.5	26.37	1822.0	1809.7	1797.9	3.16	3.98	4.21	-19.7	-21.8	-29.0	0.04		
6.8	25.21	1828.4	1816.0	1804.2	3.31	4.01	4.16	-19.9	-21.8	-29.2	0.00		
7.0	24.27	1834.6	1822.1	1810.2	3.12	3.92	4.11	-20.0	-22.1	-29.2	0.00		
7.3	23.35	1840.5	1827.9	1815.9	3.13	4.07	4.14	-20.3	-22.4	-29.3	0.05		
7.5	22.33	1846.3	1833.5	1821.3	3.28	3.87	4.04	-20.5	-22.3	-29.8	0.09		
7.8	21.37	1851.8	1838.9	1826.5	3.18	3.88	4.01	-20.7	-22.2	-30.0	0.14		
8.0	20.33	1857.0	1844.0	1831.5	3.21	4.04	4.18	-21.0	-22.4	-30.1	0.18		
8.3	19.40	1862.0	1848.8	1836.2	3.27	3.94	3.98	-21.1	-22.6	-30.2	0.18		
8.5	18.40	1866.8	1853.4	1840.7	3.33	3.95	3.98	-21.2	-22.7	-30.6	0.23		
8.8	17.36	1871.3	1857.7	1844.9	3.42	4.00	4.14	-21.2	-22.8	-30.6	0.19		
9.0	16.34	1875.5	1861.8	1848.8	3.43	3.99	4.03	-21.3	-23.0	-30.9	0.23		
9.3	15.20	1879.5	1865.6	1852.5	3.48	4.03	4.00	-21.6	-23.2	-30.6	0.23		
9.5	14.05	1883.2	1869.1	1855.9	3.48	4.12	4.02	-21.8	-23.0	-30.6	0.19		
9.8	13.03	1886.5	1872.4	1859.0	3.47	4.11	4.06	-21.9	-23.2	-30.7	0.19		
10.0	11.80	1889.6	1875.4	1861.9	3.56	4.12	4.05	-22.0	-23.2	-31.2	0.28		