

Voltage Controlled Oscillator

ROS-ED9462/1

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			
0.2	23.50	1687.4	1678.3	1672.3	6.71	7.11	6.84	-39.1	-30.7	-42.1	0.13	1	-78
0.3	23.17	1690.9	1681.8	1675.7	6.73	7.07	6.82	-38.8	-30.5	-42.2	0.13	10	-103
0.5	22.94	1694.4	1685.2	1679.1	6.76	7.08	6.81	-38.3	-29.9	-42.8	0.17	100	-123
0.6	23.35	1698.0	1688.7	1682.4	6.78	7.10	6.79	-37.4	-29.8	-42.3	0.17	1000	-143
0.8	23.57	1701.7	1692.3	1685.8	6.78	7.08	6.81	-37.7	-29.4	-42.8	0.17		
0.9	23.79	1705.4	1695.8	1689.2	6.82	7.13	6.83	-37.3	-29.1	-42.6	0.16		
1.1	24.76	1709.2	1699.6	1692.8	6.86	7.16	6.87	-37.5	-29.0	-43.3	0.21		
1.2	25.53	1713.2	1703.4	1696.5	6.91	7.22	6.88	-36.9	-28.5	-43.2	0.21		
1.4	26.24	1717.3	1707.3	1700.2	6.90	7.21	6.92	-36.5	-28.6	-43.0	0.21		
1.5	27.13	1721.5	1711.4	1704.1	6.92	7.27	6.99	-36.4	-28.4	-43.0	0.26		
1.7	28.11	1725.9	1715.6	1708.1	6.95	7.31	7.04	-36.0	-28.1	-44.0	0.21		
1.8	29.07	1730.4	1720.0	1712.3	6.97	7.34	7.04	-35.0	-27.6	-43.5	0.22		
2.0	30.07	1735.1	1724.5	1716.6	6.97	7.37	7.10	-35.1	-27.6	-43.3	0.22		
2.1	30.68	1739.8	1729.1	1721.0	6.96	7.40	7.14	-35.0	-27.1	-43.9	0.22		
2.3	31.80	1744.8	1733.8	1725.6	6.93	7.41	7.18	-34.4	-26.9	-43.7	0.25		
2.4	32.75	1749.8	1738.8	1730.3	6.93	7.42	7.20	-34.3	-26.8	-43.2	0.17		
2.6	32.91	1754.9	1743.7	1735.1	6.90	7.41	7.22	-34.0	-26.7	-43.2	0.18		
2.7	34.05	1760.2	1748.8	1740.0	6.88	7.39	7.23	-33.5	-26.4	-42.5	0.18		
2.9	34.74	1765.5	1754.0	1745.0	6.85	7.37	7.22	-33.0	-26.3	-42.3	0.13		
3.0	35.23	1771.0	1759.3	1750.1	6.83	7.35	7.21	-32.7	-25.9	-41.2	0.13		
3.2	35.45	1776.4	1764.6	1755.3	6.79	7.33	7.20	-32.8	-25.7	-40.4	0.04		
3.3	35.90	1782.0	1770.0	1760.5	6.74	7.31	7.18	-32.4	-25.3	-40.6	0.04		
3.5	36.19	1787.5	1775.4	1765.7	6.63	7.28	7.17	-32.5	-25.1	-39.9	0.04		
3.6	36.57	1793.1	1780.9	1771.0	6.57	7.23	7.16	-31.7	-24.9	-38.6	0.04		
3.8	36.33	1798.7	1786.4	1776.3	6.49	7.19	7.13	-31.6	-24.8	-37.3	0.09		
3.9	36.13	1804.2	1791.8	1781.6	6.41	7.13	7.09	-31.3	-24.5	-38.2	0.09		
4.1	36.13	1809.7	1797.2	1786.9	6.32	7.07	7.05	-31.1	-24.4	-37.0	0.18		
4.2	35.63	1815.2	1802.5	1792.0	6.24	6.93	6.98	-31.0	-24.0	-36.8	0.18		
4.4	35.61	1820.6	1807.9	1797.2	6.18	6.85	6.92	-30.9	-24.0	-37.1	0.23		
4.5	35.51	1826.0	1813.2	1802.4	6.13	6.77	6.85	-30.5	-23.7	-37.5	0.32		
4.7	34.91	1831.4	1818.5	1807.5	6.08	6.72	6.78	-30.1	-23.6	-36.1	0.36		
4.8	34.84	1836.7	1823.7	1812.6	6.05	6.66	6.65	-30.1	-23.7	-37.1	0.41		
5.0	34.29	1841.9	1828.8	1817.6	6.03	6.61	6.59	-29.7	-23.5	-36.9	0.41		
5.1	33.62	1847.1	1833.9	1822.4	6.02	6.59	6.58	-29.2	-23.1	-35.8	0.55		
5.3	33.48	1852.2	1838.9	1827.3	6.03	6.56	6.53	-29.1	-22.9	-36.7	0.55		
5.4	32.73	1857.2	1843.8	1832.1	6.03	6.57	6.49	-28.7	-22.9	-37.1	0.64		
5.6	32.03	1862.1	1848.6	1836.7	6.05	6.58	6.46	-28.7	-22.7	-36.5	0.65		
5.7	31.50	1867.0	1853.3	1841.3	6.07	6.58	6.44	-28.5	-22.4	-37.3	0.69		
5.9	31.33	1871.7	1858.0	1845.9	6.10	6.60	6.44	-28.4	-22.3	-36.7	0.75		
6.0	30.05	1876.3	1862.5	1850.2	6.14	6.62	6.44	-28.4	-22.3	-35.7	0.78		