

Voltage Controlled Oscillator

ROS-ED10438/1

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	24.50	1732.2	1724.9	1715.6	4.50	6.04	6.34	-23.4	-37.8	-43.1	0.95	1	-77
0.3	24.16	1735.3	1727.9	1718.6	4.41	5.96	6.28	-23.7	-37.7	-42.2	0.99	10	-105
0.4	23.84	1738.2	1730.9	1721.6	4.34	5.90	6.22	-24.0	-37.7	-43.1	1.03	100	-125
0.5	23.54	1741.2	1733.8	1724.5	4.27	5.81	6.15	-24.2	-37.8	-42.6	1.01	1000	-145
0.6	23.56	1744.2	1736.8	1727.5	4.22	5.75	6.10	-24.7	-38.0	-42.1	1.08		
0.8	23.62	1747.3	1739.7	1730.4	4.16	5.71	6.05	-25.2	-38.2	-42.2	1.10		
0.9	24.30	1750.4	1742.8	1733.4	4.13	5.68	6.01	-25.6	-37.8	-43.0	1.12		
1.0	24.40	1753.5	1745.8	1736.4	4.12	5.64	5.97	-26.2	-37.7	-42.1	1.16		
1.1	25.18	1756.8	1749.0	1739.5	4.10	5.62	5.95	-26.7	-38.1	-42.0	1.23		
1.3	25.97	1760.1	1752.2	1742.7	4.09	5.60	5.94	-27.4	-38.1	-43.0	1.23		
1.4	26.53	1763.6	1755.5	1746.0	4.09	5.60	5.91	-28.0	-37.9	-43.3	1.28		
1.5	27.46	1767.1	1758.9	1749.3	4.09	5.61	5.91	-28.6	-38.4	-43.0	1.32		
1.6	28.46	1770.9	1762.5	1752.8	4.12	5.61	5.92	-29.5	-38.4	-43.7	1.36		
1.8	29.65	1774.7	1766.2	1756.4	4.16	5.62	5.93	-30.5	-38.3	-43.8	1.41		
1.9	30.67	1778.7	1770.0	1760.2	4.20	5.66	5.96	-31.5	-38.6	-43.3	1.43		
2.0	32.00	1782.9	1774.0	1764.0	4.24	5.70	5.98	-32.7	-38.8	-43.6	1.51		
2.1	33.23	1787.2	1778.2	1768.1	4.27	5.74	6.02	-34.0	-39.1	-44.5	1.56		
2.3	34.11	1791.7	1782.5	1772.2	4.32	5.77	6.05	-35.2	-39.5	-44.7	1.56		
2.4	35.17	1796.3	1786.9	1776.5	4.37	5.80	6.10	-35.3	-40.0	-44.8	1.51		
2.5	36.38	1800.9	1791.4	1780.9	4.41	5.84	6.15	-34.4	-39.9	-45.4	1.51		
2.6	35.98	1805.6	1795.9	1785.3	4.45	5.88	6.18	-33.1	-40.7	-44.2	1.44		
2.8	36.62	1810.3	1800.5	1789.8	4.50	5.91	6.21	-31.9	-40.9	-45.3	1.36		
2.9	36.48	1815.0	1805.0	1794.3	4.53	5.94	6.23	-30.8	-41.7	-44.9	1.19		
3.0	36.44	1819.6	1809.6	1798.8	4.57	5.97	6.24	-29.9	-41.2	-44.2	1.04		
3.1	35.46	1824.2	1814.0	1803.2	4.62	5.98	6.24	-29.3	-42.1	-43.5	0.85		
3.3	34.66	1828.6	1818.4	1807.6	4.66	6.00	6.24	-28.6	-42.4	-42.5	0.65		
3.4	33.81	1832.8	1822.6	1811.8	4.71	6.01	6.23	-28.2	-41.7	-42.2	0.49		
3.5	32.24	1836.9	1826.6	1815.8	4.77	6.03	6.20	-27.9	-41.4	-41.5	0.27		
3.6	30.75	1840.7	1830.5	1819.7	4.82	6.04	6.18	-27.8	-41.8	-41.3	0.14		
3.8	29.23	1844.2	1834.1	1823.5	4.87	6.06	6.15	-27.6	-41.3	-41.2	0.05		
3.9	27.23	1847.6	1837.5	1827.0	4.90	6.09	6.13	-27.5	-41.1	-40.9	0.09		
4.0	25.46	1850.7	1840.7	1830.3	4.92	6.09	6.07	-27.4	-40.3	-40.6	0.14		
4.1	23.92	1853.7	1843.7	1833.5	4.94	6.09	6.04	-27.5	-40.7	-40.1	0.14		
4.3	22.34	1856.4	1846.5	1836.4	4.93	6.08	6.01	-27.4	-40.0	-40.0	0.09		
4.4	20.32	1858.9	1849.0	1839.0	4.91	6.07	5.98	-27.5	-39.8	-39.6	0.05		
4.5	19.21	1861.3	1851.4	1841.5	4.92	6.05	5.95	-27.5	-39.5	-39.1	0.05		
4.6	17.68	1863.4	1853.6	1843.9	4.92	6.03	5.92	-27.4	-38.7	-38.6	0.19		
4.8	16.53	1865.4	1855.7	1846.0	4.92	6.00	5.89	-27.5	-39.3	-37.8	0.37		
4.9	15.18	1867.1	1857.6	1847.9	4.91	5.97	5.87	-27.6	-38.7	-37.5	0.53		
5.0	13.82	1868.8	1859.3	1849.7	4.89	5.94	5.84	-27.5	-38.6	-37.2	0.71		
5.1	12.69	1870.2	1860.9	1851.3	4.87	5.92	5.80	-27.6	-38.4	-36.9	0.83		
5.3	11.36	1871.6	1862.3	1852.8	4.85	5.90	5.78	-27.6	-38.0	-36.9	1.01		
5.4	10.40	1872.8	1863.6	1854.1	4.84	5.89	5.76	-27.5	-38.2	-36.3	1.20		
5.5	9.46	1873.9	1864.8	1855.3	4.82	5.87	5.73	-27.4	-38.0	-35.8	1.36		
5.6	8.62	1874.9	1865.9	1856.5	4.80	5.85	5.71	-27.3	-38.0	-35.8	1.46		
5.8	7.90	1875.9	1866.9	1857.5	4.79	5.83	5.69	-27.2	-38.0	-35.3	1.63		
5.9	7.44	1876.7	1867.8	1858.5	4.77	5.81	5.67	-27.2	-37.6	-35.3	1.77		
6.0	6.77	1877.53	1868.65	1859.35	4.76	5.80	5.65	-27.1	-37.5	-35.1	1.86		