

Voltage Controlled Oscillator

ROS-ED10322/1

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	28.13	1741.1	1735.0	1728.1	0.60	1.71	1.70	-22.6	-32.7	-40.9	0.48	1	-75
0.3	27.80	1745.3	1739.2	1732.2	0.33	1.49	1.57	-22.5	-32.6	-40.7	0.52	10	-104
0.5	27.67	1749.5	1743.3	1736.3	0.07	1.28	1.38	-22.5	-31.6	-40.3	0.54	100	-125
0.6	27.80	1753.7	1747.5	1740.4	-0.17	1.12	1.21	-22.5	-31.8	-39.6	0.54	1000	-138
0.8	28.47	1758.1	1751.8	1744.5	-0.43	0.91	1.04	-22.3	-31.3	-38.2	0.56		
0.9	28.87	1762.6	1756.1	1748.7	-0.65	0.73	0.87	-21.9	-31.3	-37.4	0.62		
1.1	29.93	1767.2	1760.6	1753.0	-0.81	0.57	0.72	-21.9	-31.6	-36.2	0.62		
1.2	30.80	1772.1	1765.2	1757.4	-0.95	0.42	0.61	-21.6	-31.6	-34.9	0.72		
1.4	32.07	1777.1	1770.0	1762.0	-1.04	0.30	0.48	-21.3	-31.5	-33.6	0.80		
1.5	33.53	1782.4	1775.0	1766.8	-1.08	0.21	0.37	-21.2	-32.0	-32.3	0.82		
1.7	35.07	1787.9	1780.3	1771.9	-1.04	0.16	0.27	-20.7	-32.5	-31.6	0.88		
1.8	36.53	1793.6	1785.8	1777.1	-1.03	0.15	0.21	-20.1	-33.1	-30.3	0.94		
2.0	38.00	1799.5	1791.5	1782.6	-0.94	0.17	0.19	-19.8	-33.7	-29.3	0.98		
2.1	39.67	1805.7	1797.4	1788.4	-0.86	0.21	0.19	-19.4	-34.4	-28.2	1.04		
2.3	41.07	1812.0	1803.6	1794.3	-0.76	0.31	0.19	-18.3	-35.2	-27.5	1.02		
2.4	42.20	1818.6	1809.9	1800.5	-0.63	0.39	0.24	-17.7	-36.0	-27.2	1.00		
2.6	43.13	1825.2	1816.4	1806.8	-0.55	0.48	0.28	-16.9	-37.2	-26.6	0.86		
2.7	43.73	1831.9	1823.0	1813.3	-0.49	0.60	0.40	-16.0	-38.1	-26.5	0.72		
2.9	43.47	1838.6	1829.5	1819.8	-0.41	0.66	0.44	-15.4	-39.1	-27.2	0.50		
3.0	43.20	1845.2	1836.0	1826.2	-0.36	0.69	0.48	-14.7	-39.0	-27.6	0.24		
3.2	41.93	1851.6	1842.2	1832.6	-0.32	0.72	0.52	-14.3	-39.6	-27.8	0.06		
3.3	40.93	1857.8	1848.4	1838.8	-0.29	0.77	0.52	-13.6	-39.5	-29.0	0.42		
3.5	39.07	1863.6	1854.2	1844.8	-0.28	0.77	0.52	-13.1	-37.8	-30.4	0.78		
3.6	37.20	1869.2	1859.8	1850.5	-0.25	0.77	0.49	-12.7	-37.7	-31.0	1.04		
3.8	35.47	1874.5	1865.1	1856.0	-0.27	0.72	0.44	-12.4	-37.0	-31.5	1.32		
3.9	33.27	1879.4	1870.1	1861.1	-0.32	0.70	0.39	-11.9	-37.0	-32.0	1.56		
4.1	31.13	1884.0	1874.8	1866.0	-0.36	0.63	0.31	-11.5	-36.2	-32.5	1.66		
4.2	29.47	1888.4	1879.2	1870.5	-0.44	0.52	0.25	-11.3	-34.7	-33.5	1.76		
4.4	27.07	1892.4	1883.3	1874.6	-0.49	0.46	0.17	-11.1	-35.0	-33.7	1.72		
4.5	25.13	1896.0	1887.1	1878.4	-0.60	0.38	0.04	-10.9	-34.5	-33.9	1.62		
4.7	23.20	1899.4	1890.5	1881.9	-0.71	0.27	-0.01	-10.7	-34.3	-34.2	1.44		
4.8	21.00	1902.4	1893.7	1885.0	-0.78	0.15	-0.10	-10.6	-33.8	-32.9	1.24		
5.0	19.20	1905.2	1896.6	1887.8	-0.89	0.08	-0.21	-10.5	-33.1	-33.3	0.94		
5.1	17.13	1907.7	1899.1	1890.3	-1.02	-0.04	-0.26	-10.4	-33.6	-32.1	0.68		
5.3	15.60	1909.9	1901.5	1892.6	-1.06	-0.10	-0.38	-10.4	-33.3	-32.4	0.38		
5.4	14.07	1911.8	1903.6	1894.7	-1.10	-0.21	-0.44	-10.5	-33.3	-31.9	0.10		
5.6	12.67	1913.6	1905.5	1896.5	-1.20	-0.26	-0.46	-10.4	-32.5	-31.6	0.14		
5.7	11.33	1915.2	1907.2	1898.2	-1.24	-0.31	-0.55	-10.3	-32.4	-31.0	0.40		
5.9	10.20	1916.6	1908.7	1899.7	-1.27	-0.39	-0.59	-10.3	-32.9	-30.7	0.66		
6.0	9.27	1917.9	1910.1	1901.0	-1.35	-0.44	-0.63	-10.3	-32.0	-30.5	0.80		