

Voltage Controlled Oscillator

ROS-ED10557/1

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	23.28	1741.4	1734.8	1729.2	5.91	6.90	6.75	-22.3	-42.3	-48.7	0.96	1	-76
0.3	23.12	1744.2	1737.7	1732.0	5.76	6.80	6.70	-22.3	-41.3	-47.7	1.02	10	-102
0.4	22.88	1747.3	1740.6	1734.8	5.72	6.74	6.59	-22.1	-41.7	-48.6	1.04	100	-120
0.5	22.40	1750.1	1743.4	1737.6	5.62	6.63	6.49	-22.2	-41.5	-46.9	1.00	1000	-140
0.6	22.56	1752.9	1746.2	1740.4	5.51	6.57	6.43	-22.1	-40.0	-48.8	1.06		
0.8	22.88	1755.6	1749.0	1743.2	5.45	6.46	6.32	-21.9	-40.4	-48.4	1.10		
0.9	23.12	1758.8	1751.9	1746.0	5.35	6.40	6.26	-21.9	-40.4	-47.8	1.12		
1.0	23.92	1761.8	1754.9	1748.9	5.29	6.30	6.14	-21.9	-40.5	-51.3	1.16		
1.1	24.40	1764.9	1758.0	1751.9	5.21	6.19	6.08	-21.9	-40.0	-51.6	1.16		
1.3	25.12	1767.9	1761.1	1754.9	5.14	6.12	5.99	-21.9	-39.6	-52.2	1.20		
1.4	25.92	1771.2	1764.3	1758.1	5.07	6.01	5.88	-21.8	-39.5	-50.9	1.24		
1.5	26.96	1774.6	1767.7	1761.3	4.98	5.92	5.81	-21.9	-39.1	-52.5	1.28		
1.6	28.40	1778.2	1771.3	1764.7	4.89	5.84	5.71	-22.1	-38.9	-51.6	1.32		
1.8	29.20	1782.0	1774.9	1768.3	4.80	5.75	5.63	-22.2	-38.7	-51.6	1.40		
1.9	30.64	1786.2	1778.7	1771.9	4.68	5.66	5.56	-22.4	-38.4	-51.1	1.44		
2.0	32.16	1790.1	1782.8	1775.8	4.61	5.57	5.48	-22.4	-38.5	-50.6	1.44		
2.1	33.12	1794.4	1786.9	1779.8	4.46	5.46	5.40	-22.6	-38.2	-52.0	1.48		
2.3	34.64	1798.9	1791.2	1784.0	4.35	5.38	5.33	-22.9	-37.8	-51.0	1.48		
2.4	35.92	1803.7	1795.7	1788.3	4.29	5.26	5.27	-23.1	-37.3	-49.3	1.50		
2.5	36.96	1808.5	1800.3	1792.8	4.16	5.16	5.19	-23.5	-37.0	-50.4	1.44		
2.6	37.84	1813.4	1805.1	1797.3	4.01	5.05	5.08	-23.8	-37.3	-51.0	1.44		
2.8	38.56	1818.3	1809.9	1802.0	3.87	4.96	5.01	-24.3	-37.1	-50.8	1.38		
2.9	39.12	1823.4	1814.8	1806.8	3.71	4.86	4.93	-24.7	-37.0	-50.1	1.26		
3.0	39.04	1828.4	1819.7	1811.6	3.58	4.78	4.87	-25.1	-36.6	-50.6	1.14		
3.1	38.72	1833.3	1824.5	1816.3	3.44	4.70	4.81	-25.3	-36.6	-49.7	0.94		
3.3	38.40	1838.2	1829.3	1821.0	3.26	4.62	4.76	-25.6	-36.2	-49.9	0.80		
3.4	37.28	1843.0	1834.0	1825.6	3.21	4.55	4.72	-26.0	-36.5	-50.8	0.64		
3.5	36.40	1847.6	1838.5	1830.1	3.10	4.48	4.67	-26.3	-36.7	-50.6	0.44		
3.6	34.72	1852.0	1842.9	1834.4	2.98	4.44	4.62	-26.4	-36.4	-50.2	0.28		
3.8	33.36	1856.2	1847.0	1838.6	2.87	4.35	4.59	-26.7	-36.3	-49.6	0.14		
3.9	31.60	1860.2	1851.0	1842.5	2.79	4.29	4.52	-26.8	-35.6	-49.8	0.04		
4.0	29.36	1863.9	1854.6	1846.2	2.67	4.23	4.51	-26.9	-35.8	-50.1	0.00		
4.1	27.68	1867.3	1858.1	1849.6	2.59	4.18	4.48	-27.1	-35.9	-50.1	0.06		
4.3	25.44	1870.5	1861.3	1852.8	2.53	4.12	4.43	-26.9	-36.0	-50.0	0.06		
4.4	23.76	1873.4	1864.3	1855.7	2.45	4.04	4.37	-27.1	-35.9	-49.8	0.00		
4.5	21.60	1876.0	1867.0	1858.4	2.37	3.98	4.35	-27.0	-35.7	-50.5	0.08		
4.6	19.84	1878.4	1869.4	1860.9	2.28	3.95	4.30	-27.1	-36.2	-50.6	0.20		
4.8	17.92	1880.6	1871.7	1863.2	2.24	3.91	4.25	-26.9	-35.3	-49.1	0.28		
4.9	16.48	1882.6	1873.7	1865.2	2.18	3.85	4.21	-27.0	-35.8	-49.7	0.46		
5.0	14.80	1884.4	1875.6	1867.1	2.15	3.82	4.18	-26.8	-35.7	-49.3	0.58		