

Voltage Controlled Oscillator

ROS-ED9694A/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	24.92	1727.6	1722.1	1716.4	0.47	1.73	1.90	-16.0	-32.2	-44.9	0.86	1	-80
0.3	24.65	1730.7	1725.2	1719.5	0.33	1.57	1.81	-16.1	-32.7	-45.1	0.86	10	-106
0.4	24.42	1733.8	1728.3	1722.5	0.14	1.42	1.68	-16.3	-32.8	-45.0	0.86	100	-126
0.5	24.49	1736.9	1731.4	1725.5	0.00	1.33	1.61	-16.6	-32.6	-45.6	0.90	1000	-146
0.6	24.84	1740.1	1734.5	1728.5	-0.19	1.18	1.49	-16.7	-32.5	-45.4	0.90		
0.8	24.94	1743.4	1737.6	1731.6	-0.39	1.05	1.42	-17.0	-31.9	-44.9	0.95		
0.9	25.72	1746.7	1740.8	1734.7	-0.51	0.96	1.30	-17.2	-32.7	-44.9	0.97		
1.0	26.06	1750.1	1744.1	1737.8	-0.67	0.83	1.19	-17.5	-32.3	-44.4	1.01		
1.1	26.79	1753.6	1747.5	1741.1	-0.79	0.76	1.13	-17.7	-33.0	-44.3	1.01		
1.3	27.56	1757.1	1750.9	1744.4	-0.85	0.65	1.02	-18.2	-32.6	-42.1	1.01		
1.4	27.76	1760.8	1754.4	1747.8	-0.95	0.58	0.93	-18.5	-32.9	-42.9	1.06		
1.5	28.97	1764.6	1758.1	1751.3	-1.04	0.50	0.89	-19.0	-32.8	-43.2	1.10		
1.6	29.63	1768.5	1761.8	1754.8	-1.04	0.48	0.85	-19.6	-33.8	-43.9	1.06		
1.8	30.47	1772.5	1765.6	1758.5	-1.03	0.44	0.77	-20.1	-33.9	-44.0	1.10		
1.9	31.87	1776.6	1769.6	1762.3	-0.98	0.43	0.78	-20.8	-34.3	-44.5	1.16		
2.0	32.93	1780.8	1773.7	1766.1	-0.90	0.46	0.74	-21.5	-35.1	-44.3	1.19		
2.1	33.34	1785.0	1777.9	1770.1	-0.82	0.53	0.76	-22.3	-35.5	-44.4	1.19		
2.3	33.45	1789.2	1782.1	1774.1	-0.70	0.59	0.78	-23.2	-36.4	-45.3	1.19		
2.4	33.12	1793.4	1786.3	1778.3	-0.63	0.69	0.82	-24.1	-37.4	-44.1	1.12		
2.5	33.85	1797.7	1790.5	1782.5	-0.52	0.80	0.88	-25.0	-38.4	-44.6	1.12		
2.6	33.47	1802.0	1794.7	1786.7	-0.48	0.87	0.95	-25.8	-38.9	-44.9	1.12		
2.8	33.98	1806.5	1799.0	1791.0	-0.40	0.95	1.04	-26.2	-39.5	-44.2	1.09		
2.9	34.92	1810.9	1803.4	1795.2	-0.28	1.00	1.10	-25.9	-40.0	-45.7	1.15		
3.0	35.09	1815.4	1807.8	1799.5	-0.17	1.10	1.19	-25.2	-42.1	-45.9	1.08		
3.1	35.23	1819.9	1812.2	1803.8	-0.04	1.15	1.25	-24.6	-41.9	-46.6	1.04		
3.3	35.27	1824.3	1816.6	1808.0	0.06	1.27	1.32	-24.2	-42.3	-45.0	1.10		
3.4	34.61	1828.7	1821.0	1812.3	0.18	1.36	1.34	-23.6	-43.1	-47.3	1.04		
3.5	34.80	1833.1	1825.3	1816.7	0.28	1.45	1.39	-23.1	-43.0	-46.9	0.99		
3.6	34.24	1837.6	1829.6	1821.0	0.35	1.55	1.45	-22.8	-41.1	-45.9	0.97		
3.8	34.62	1842.0	1834.0	1825.3	0.41	1.60	1.52	-22.2	-39.8	-46.9	0.97		
3.9	34.26	1846.4	1838.3	1829.6	0.52	1.67	1.56	-21.8	-39.9	-46.7	0.95		
4.0	34.07	1850.8	1842.5	1833.8	0.60	1.73	1.61	-21.8	-38.8	-46.8	0.97		
4.1	33.98	1855.0	1846.8	1838.0	0.66	1.75	1.63	-21.5	-38.1	-46.5	0.94		
4.3	33.78	1859.3	1851.0	1842.2	0.73	1.77	1.61	-21.3	-37.4	-46.8	0.89		
4.4	33.35	1863.4	1855.2	1846.4	0.70	1.78	1.63	-21.2	-36.8	-47.1	0.87		
4.5	32.96	1867.5	1859.4	1850.6	0.73	1.76	1.62	-21.3	-35.7	-47.1	0.85		
4.6	32.69	1871.6	1863.5	1854.8	0.70	1.71	1.59	-21.3	-35.3	-46.4	0.78		
4.8	32.25	1875.6	1867.5	1858.8	0.67	1.67	1.56	-21.3	-34.9	-46.3	0.71		
4.9	32.22	1879.5	1871.6	1862.9	0.58	1.59	1.47	-21.0	-34.3	-44.0	0.69		
5.0	31.86	1883.4	1875.6	1867.0	0.50	1.49	1.40	-20.9	-33.9	-44.7	0.57		
5.1	31.82	1887.3	1879.6	1871.0	0.42	1.36	1.34	-20.7	-33.6	-44.5	0.57		
5.3	31.50	1891.1	1883.5	1874.9	0.28	1.24	1.25	-20.6	-33.2	-41.7	0.46		
5.4	31.50	1895.0	1887.5	1878.8	0.12	1.14	1.12	-20.5	-32.4	-41.7	0.37		
5.5	31.50	1898.8	1891.4	1882.7	-0.03	0.99	1.01	-20.2	-32.6	-40.2	0.33		
5.6	30.73	1902.6	1895.3	1886.6	-0.23	0.84	0.92	-20.0	-32.9	-39.2	0.24		
5.8	30.90	1906.4	1899.1	1890.4	-0.37	0.69	0.80	-19.9	-31.7	-39.1	0.19		
5.9	30.74	1910.2	1903.0	1894.1	-0.54	0.54	0.67	-20.0	-31.7	-38.2	0.10		
6.0	30.06	1914.0	1906.8	1897.9	-0.72	0.44	0.56	-19.9	-31.7	-36.5	0.05		