

Voltage Controlled Oscillator

UOS-EDR5265/2

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			
0.3	41.92	1740.9	1728.9	1721.9	3.32	2.06	1.10	-28.8	-30.0	-21.1	-0.57	1	-75
0.5	36.17	1749.8	1737.9	1731.1	3.34	2.15	1.22	-28.4	-28.3	-21.8	-0.55	10	-101
0.8	32.98	1757.8	1746.2	1739.3	3.45	2.22	1.33	-28.5	-28.8	-21.0	-0.56	100	-122
1.0	30.44	1765.1	1753.8	1746.9	3.56	2.40	1.40	-28.2	-29.2	-21.5	-0.53	1000	-142
1.3	27.68	1772.1	1760.7	1754.1	3.66	2.57	1.56	-29.3	-27.8	-23.2	-0.52		
1.5	26.25	1778.7	1767.3	1760.7	3.73	2.70	1.72	-30.3	-26.9	-23.1	-0.53		
1.8	25.44	1785.0	1773.6	1767.0	3.75	2.80	1.84	-30.2	-25.9	-23.1	-0.54		
2.0	24.30	1791.6	1779.7	1773.2	3.66	2.86	1.91	-29.8	-26.8	-23.2	-0.54		
2.3	24.02	1798.3	1785.7	1779.2	3.82	2.83	1.95	-29.2	-27.3	-23.3	-0.56		
2.5	25.22	1804.1	1792.0	1785.0	4.02	2.80	1.90	-28.9	-26.5	-23.5	-0.61		
2.8	24.04	1809.6	1798.0	1791.1	4.13	2.97	1.81	-29.2	-25.5	-23.2	-0.55		
3.0	21.96	1815.1	1803.5	1797.2	4.19	3.08	1.91	-29.5	-25.0	-23.3	-0.54		
3.3	21.57	1820.6	1808.9	1802.7	4.23	3.14	2.06	-30.3	-24.6	-24.0	-0.54		
3.5	21.43	1826.1	1814.3	1808.1	4.28	3.17	2.12	-30.5	-24.4	-24.4	-0.54		
3.8	21.38	1831.5	1819.6	1813.4	4.31	3.20	2.15	-30.0	-25.0	-24.7	-0.54		
4.0	21.36	1837.0	1824.9	1818.7	4.33	3.21	2.15	-30.0	-24.9	-24.0	-0.55		
4.3	21.54	1842.6	1830.3	1824.1	4.37	3.16	2.10	-29.6	-25.0	-24.1	-0.55		
4.5	22.00	1847.9	1835.8	1829.5	4.44	3.11	2.03	-29.5	-24.2	-24.3	-0.56		
4.8	22.28	1853.1	1841.4	1835.0	4.48	3.15	1.95	-28.4	-24.0	-25.2	-0.54		
5.0	21.24	1858.3	1846.7	1840.6	4.48	3.22	1.93	-27.8	-23.6	-25.4	-0.52		
5.3	20.77	1863.5	1851.9	1846.1	4.47	3.26	2.00	-28.8	-23.1	-25.9	-0.51		
5.5	20.69	1868.8	1857.1	1851.3	4.45	3.24	2.02	-28.6	-24.1	-25.9	-0.50		
5.8	20.74	1874.0	1862.2	1856.5	4.45	3.20	1.96	-28.4	-24.7	-26.0	-0.50		
6.0	20.97	1879.1	1867.5	1861.8	4.42	3.13	1.86	-27.7	-24.2	-26.0	-0.50		
6.3	21.30	1884.4	1872.8	1867.2	4.35	3.08	1.74	-27.9	-23.6	-25.7	-0.49		
6.5	21.16	1890.0	1878.1	1872.6	4.25	3.02	1.61	-27.7	-22.8	-25.4	-0.48		
6.8	21.55	1895.8	1883.5	1878.0	4.34	2.92	1.46	-27.4	-23.1	-25.3	-0.48		
7.0	23.17	1900.9	1889.3	1883.6	4.47	2.81	1.21	-26.8	-24.2	-26.7	-0.50		