

Voltage Controlled Oscillator

MOS-EDR6078

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	51.16	1702.0	1691.5	1683.9	-0.30	-0.71	-1.16	-37.5	-30.8	-36.7	-0.97	1	-79
0.5	44.50	1712.8	1702.6	1695.2	-0.14	-0.57	-1.02	-37.7	-30.9	-37.1	-0.81	10	-103
0.8	40.40	1722.6	1712.7	1705.4	-0.03	-0.42	-0.92	-37.6	-31.1	-37.4	-0.76	100	-123
1.0	37.30	1731.7	1722.1	1714.9	0.02	-0.31	-0.81	-37.1	-31.1	-37.0	-0.71	1000	-143
1.3	35.06	1740.5	1730.8	1723.7	0.04	-0.26	-0.72	-36.7	-31.3	-37.3	-0.69		
1.5	33.50	1748.8	1739.2	1732.0	0.10	-0.25	-0.68	-36.8	-31.5	-36.6	-0.69		
1.8	32.25	1756.9	1747.3	1740.1	0.20	-0.22	-0.66	-36.6	-31.3	-36.8	-0.72		
2.0	31.35	1764.7	1755.1	1747.8	0.27	-0.11	-0.64	-36.9	-31.5	-37.7	-0.72		
2.3	30.25	1772.3	1762.7	1755.3	0.32	-0.02	-0.56	-36.7	-31.8	-37.3	-0.74		
2.5	29.44	1779.7	1770.0	1762.7	0.34	0.04	-0.45	-36.1	-31.8	-37.9	-0.75		
2.8	28.82	1787.0	1777.2	1769.8	0.36	0.07	-0.39	-35.8	-32.0	-38.4	-0.77		
3.0	28.55	1794.3	1784.4	1776.8	0.40	0.05	-0.37	-35.5	-32.1	-38.1	-0.82		
3.3	28.22	1801.3	1791.4	1783.7	0.42	0.06	-0.41	-35.1	-32.3	-38.1	-0.85		
3.5	27.81	1808.3	1798.4	1790.5	0.41	0.10	-0.46	-35.1	-32.3	-38.4	-0.87		
3.8	27.28	1815.2	1805.2	1797.3	0.39	0.10	-0.46	-34.6	-32.2	-38.8	-0.90		
4.0	26.93	1822.1	1811.9	1804.0	0.38	0.10	-0.42	-33.9	-32.4	-38.8	-0.93		
4.3	26.70	1828.9	1818.6	1810.6	0.38	0.08	-0.40	-33.4	-32.5	-39.0	-0.97		
4.5	26.56	1835.7	1825.2	1817.0	0.37	0.06	-0.42	-32.9	-32.5	-39.8	-1.01		
4.8	26.50	1842.5	1831.9	1823.5	0.39	0.00	-0.51	-32.4	-32.3	-39.9	-1.05		
5.0	26.48	1849.2	1838.5	1829.9	0.38	0.00	-0.58	-31.9	-32.7	-39.7	-1.10		
5.3	26.34	1856.0	1845.1	1836.3	0.36	0.00	-0.65	-32.0	-32.8	-40.5	-1.13		
5.5	26.16	1862.7	1851.6	1842.6	0.33	-0.02	-0.69	-31.5	-32.8	-40.4	-1.17		
5.8	26.03	1869.4	1858.1	1849.0	0.26	-0.07	-0.72	-30.9	-32.5	-40.1	-1.22		
6.0	25.97	1876.2	1864.6	1855.2	0.22	-0.14	-0.81	-30.6	-32.7	-40.2	-1.26		
6.3	25.96	1883.1	1871.1	1861.5	0.28	-0.23	-0.92	-30.4	-32.7	-39.0	-1.31		
6.5	26.32	1889.9	1877.7	1867.6	0.30	-0.30	-1.05	-29.8	-33.0	-38.8	-1.38		
6.8	26.56	1896.7	1884.3	1873.7	0.28	-0.29	-1.21	-29.4	-33.2	-38.4	-1.46		
7.0	26.30	1903.5	1890.9	1879.8	0.24	-0.30	-1.42	-29.2	-33.3	-37.9	-1.51		