

Voltage Controlled Oscillator

MOS-EDR6202

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	48.46	1699.4	1691.1	1683.0	2.61	3.14	3.29	-21.9	-19.1	-33.0	0.77	1	-74
0.5	43.71	1709.8	1702.0	1694.1	2.63	3.20	3.31	-21.9	-19.5	-33.1	0.76	10	-101
0.8	39.43	1719.4	1711.8	1704.3	2.70	3.23	3.34	-21.9	-19.9	-33.4	0.76	100	-123
1.0	36.83	1728.5	1721.1	1713.7	2.76	3.28	3.35	-22.1	-20.1	-33.3	0.77	1000	-143
1.3	35.07	1737.2	1729.8	1722.5	2.78	3.32	3.37	-22.3	-20.4	-33.8	0.78		
1.5	33.67	1745.6	1738.2	1731.0	2.78	3.33	3.39	-22.1	-20.6	-33.9	0.79		
1.8	32.62	1753.6	1746.4	1739.1	2.76	3.31	3.39	-21.9	-20.8	-33.7	0.78		
2.0	31.48	1761.5	1754.3	1747.1	2.72	3.30	3.38	-21.9	-21.0	-33.9	0.78		
2.3	30.76	1769.1	1762.0	1754.8	2.69	3.29	3.37	-21.8	-21.3	-34.0	0.78		
2.5	30.00	1776.7	1769.5	1762.2	2.67	3.26	3.36	-21.6	-21.7	-34.2	0.80		
2.8	29.75	1784.1	1776.9	1769.6	2.65	3.24	3.33	-21.6	-22.0	-34.5	0.80		
3.0	29.05	1791.4	1784.2	1776.8	2.61	3.21	3.28	-21.7	-22.2	-34.6	0.80		
3.3	28.66	1798.6	1791.3	1784.0	2.53	3.15	3.23	-21.7	-22.4	-34.7	0.81		
3.5	28.30	1805.7	1798.4	1791.0	2.50	3.08	3.17	-21.6	-22.6	-34.6	0.81		
3.8	28.09	1812.8	1805.4	1798.0	2.47	3.05	3.10	-21.7	-22.9	-34.9	0.80		
4.0	27.96	1819.8	1812.4	1804.9	2.46	3.05	3.09	-21.8	-23.3	-35.8	0.83		
4.3	27.78	1826.9	1819.4	1811.7	2.46	3.06	3.10	-22.0	-23.6	-36.2	0.84		
4.5	27.66	1833.8	1826.3	1818.6	2.43	3.05	3.10	-22.4	-24.1	-36.6	0.85		
4.8	27.65	1840.8	1833.2	1825.4	2.35	2.98	3.05	-22.8	-24.3	-37.1	0.90		
5.0	27.58	1847.8	1840.1	1832.2	2.29	2.93	3.00	-23.2	-24.7	-37.1	0.88		
5.3	27.63	1854.8	1847.0	1839.0	2.22	2.86	2.93	-23.3	-25.1	-37.5	0.90		
5.5	27.53	1861.8	1853.9	1845.8	2.18	2.81	2.87	-23.3	-25.4	-38.5	0.89		
5.8	27.64	1868.8	1860.8	1852.5	2.13	2.76	2.81	-23.5	-25.6	-39.1	0.94		
6.0	27.71	1875.8	1867.7	1859.3	2.08	2.70	2.74	-23.7	-26.0	-39.3	0.96		
6.3	27.76	1882.8	1874.6	1866.1	2.04	2.66	2.69	-23.9	-26.5	-39.7	0.99		
6.5	27.98	1890.0	1881.6	1872.9	2.00	2.62	2.64	-24.3	-26.9	-40.4	1.01		
6.8	27.98	1897.1	1888.6	1879.8	1.96	2.57	2.58	-24.7	-27.3	-40.8	1.07		
7.0	28.25	1904.3	1895.7	1886.6	1.92	2.52	2.52	-25.5	-27.9	-41.4	1.08		