

Voltage Controlled Oscillator

MOS-EDR5477/3

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	31.03	1596.8	1591.1	1584.9	2.95	2.15	1.20	-30.9	-33.9	-35.4	-0.32	1	-78
0.5	28.81	1604.0	1598.3	1592.2	2.86	2.08	1.18	-30.8	-34.4	-34.7	-0.31	10	-101
0.8	27.75	1611.0	1605.3	1599.1	2.79	2.04	1.14	-31.1	-35.0	-35.1	-0.29	100	-122
1.0	27.25	1617.9	1612.1	1605.9	2.72	1.98	1.06	-31.3	-35.4	-34.5	-0.29	1000	-142
1.3	27.16	1624.8	1618.9	1612.6	2.64	1.91	1.02	-31.1	-35.7	-34.0	-0.28		
1.5	27.44	1631.7	1625.7	1619.3	2.57	1.87	0.97	-31.0	-35.7	-33.8	-0.27		
1.8	27.73	1638.8	1632.7	1626.1	2.49	1.83	0.97	-30.7	-35.7	-33.2	-0.26		
2.0	28.16	1646.0	1639.7	1633.0	2.41	1.83	0.99	-30.8	-36.0	-33.9	-0.25		
2.3	28.88	1653.4	1646.9	1640.1	2.32	1.80	0.99	-30.9	-36.5	-34.0	-0.25		
2.5	29.62	1661.0	1654.3	1647.4	2.23	1.75	0.92	-31.0	-36.6	-32.9	-0.24		
2.8	30.40	1668.8	1661.9	1654.8	2.14	1.65	0.87	-31.0	-36.3	-33.1	-0.24		
3.0	30.98	1676.8	1669.7	1662.4	2.04	1.56	0.77	-31.0	-36.5	-33.9	-0.23		
3.3	31.68	1685.0	1677.6	1670.2	1.95	1.50	0.70	-31.3	-36.6	-33.8	-0.23		
3.5	32.39	1693.3	1685.7	1678.1	1.88	1.43	0.64	-31.4	-36.9	-34.1	-0.22		
3.8	32.96	1701.8	1693.9	1686.2	1.84	1.43	0.64	-31.4	-37.6	-34.7	-0.22		
4.0	33.48	1710.3	1702.3	1694.4	1.79	1.45	0.62	-31.3	-37.5	-37.0	-0.22		
4.3	33.75	1718.9	1710.7	1702.7	1.75	1.45	0.56	-31.4	-37.0	-36.2	-0.22		
4.5	33.92	1727.6	1719.2	1711.1	1.70	1.38	0.50	-31.5	-37.7	-36.3	-0.22		
4.8	34.09	1736.2	1727.7	1719.5	1.65	1.31	0.44	-31.6	-37.9	-36.7	-0.22		
5.0	34.04	1744.8	1736.2	1727.9	1.67	1.33	0.47	-31.8	-38.1	-36.9	-0.22		
5.3	33.85	1753.4	1744.7	1736.3	1.66	1.30	0.40	-32.0	-38.5	-37.7	-0.22		
5.5	33.43	1761.9	1753.1	1744.7	1.63	1.25	0.38	-32.1	-38.0	-37.9	-0.22		
5.8	33.16	1770.3	1761.3	1752.9	1.59	1.21	0.33	-32.2	-37.5	-38.5	-0.21		
6.0	32.78	1778.6	1769.5	1761.1	1.54	1.15	0.25	-32.3	-38.0	-38.6	-0.21		
6.3	32.44	1786.8	1777.7	1769.2	1.47	1.10	0.16	-32.9	-38.3	-40.2	-0.21		
6.5	32.05	1794.9	1785.7	1777.2	1.42	1.08	0.12	-33.1	-38.1	-38.8	-0.21		
6.8	31.54	1802.9	1793.6	1785.1	1.40	1.07	0.08	-33.1	-37.5	-39.1	-0.20		
7.0	31.34	1810.8	1801.4	1792.9	1.40	1.02	0.03	-33.1	-37.3	-40.1	-0.20		