

Voltage Controlled Oscillator

MOS-EDR5655

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	31.86	1576.5	1571.5	1567.6	3.76	2.83	-0.51	-28.0	-35.1	-46.4	-0.22	1	-78
0.5	29.76	1583.8	1579.0	1575.2	3.70	2.78	-0.47	-28.2	-34.8	-45.8	-0.21	10	-103
0.8	28.75	1590.8	1586.2	1582.5	3.65	2.74	-0.45	-28.3	-35.1	-44.2	-0.19	100	-124
1.0	27.98	1597.7	1593.2	1589.5	3.59	2.69	-0.41	-28.4	-35.0	-44.5	-0.20	1000	-144
1.3	28.15	1604.7	1600.2	1596.5	3.51	2.64	-0.45	-28.7	-35.3	-43.7	-0.20		
1.5	28.39	1611.8	1607.3	1603.6	3.44	2.58	-0.53	-29.3	-35.4	-43.4	-0.19		
1.8	28.99	1619.1	1614.5	1610.8	3.37	2.52	-0.57	-29.7	-35.6	-42.8	-0.18		
2.0	29.69	1626.6	1622.0	1618.1	3.32	2.48	-0.61	-29.9	-35.4	-42.5	-0.18		
2.3	30.49	1634.2	1629.6	1625.7	3.30	2.46	-0.66	-30.0	-35.4	-41.7	-0.18		
2.5	31.26	1642.1	1637.4	1633.5	3.27	2.43	-0.70	-30.0	-35.7	-41.2	-0.18		
2.8	32.18	1650.2	1645.5	1641.5	3.21	2.39	-0.73	-30.3	-35.7	-41.3	-0.16		
3.0	32.97	1658.6	1653.7	1649.7	3.10	2.31	-0.79	-30.7	-35.7	-40.0	-0.17		
3.3	33.80	1667.1	1662.1	1658.1	2.97	2.19	-0.91	-31.0	-35.7	-39.8	-0.17		
3.5	34.38	1675.8	1670.7	1666.7	2.84	2.08	-1.02	-31.3	-36.0	-39.6	-0.17		
3.8	34.83	1684.5	1679.4	1675.4	2.74	2.00	-1.08	-32.0	-36.2	-39.0	-0.17		
4.0	35.33	1693.4	1688.3	1684.3	2.67	1.94	-1.08	-32.6	-36.9	-38.9	-0.17		
4.3	35.64	1702.4	1697.2	1693.1	2.59	1.88	-1.12	-32.7	-37.7	-39.5	-0.17		
4.5	35.86	1711.3	1706.2	1702.1	2.50	1.79	-1.20	-32.5	-37.4	-40.2	-0.18		
4.8	35.69	1720.3	1715.1	1711.0	2.35	1.68	-1.33	-32.7	-37.5	-39.1	-0.18		
5.0	35.81	1729.3	1724.0	1719.9	2.26	1.62	-1.42	-33.3	-38.6	-40.5	-0.18		
5.3	35.68	1738.2	1732.9	1728.7	2.17	1.55	-1.51	-33.8	-39.5	-39.6	-0.19		
5.5	35.46	1747.1	1741.8	1737.5	2.06	1.48	-1.66	-34.3	-40.4	-40.4	-0.18		
5.8	34.83	1755.8	1750.5	1746.3	1.96	1.38	-1.80	-34.8	-41.6	-40.3	-0.17		
6.0	34.56	1764.5	1759.2	1755.0	1.87	1.32	-1.90	-35.0	-41.7	-40.1	-0.17		
6.3	34.12	1773.0	1767.7	1763.6	1.77	1.24	-1.97	-35.8	-42.6	-40.4	-0.17		
6.5	33.78	1781.5	1776.1	1772.1	1.66	1.15	-1.99	-36.1	-43.9	-40.4	-0.17		
6.8	33.20	1789.8	1784.4	1780.4	1.57	1.08	-2.00	-36.4	-45.0	-40.3	-0.17		
7.0	32.82	1798.0	1792.6	1788.6	1.47	1.00	-2.13	-36.7	-45.6	-39.9	-0.16		