

# Voltage Controlled Oscillator

# MOS-1739-219R+

## 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			
0.0	44.8	1648.4	1637.1	1627.6	0.4	1.3	1.5	-23.2	-28.6	-35.2	1.2	1	-74
0.3	39.5	1658.9	1648.3	1639.5	0.5	1.2	1.4	-23.8	-29.3	-35.4	1.4	10	-103
0.5	36.1	1668.3	1658.2	1649.8	0.5	1.2	1.4	-24.2	-30.7	-35.8	1.4	100	-124
0.8	33.8	1677.1	1667.2	1659.1	0.5	1.2	1.4	-24.3	-31.5	-36.5	1.5	1000	-144
1.0	32.0	1685.3	1675.6	1667.7	0.5	1.2	1.4	-24.3	-31.9	-36.2	1.5		
1.3	30.7	1693.2	1683.6	1675.9	0.5	1.2	1.4	-24.7	-32.5	-36.7	1.5		
1.5	29.7	1700.8	1691.3	1683.6	0.5	1.2	1.3	-25.2	-33.0	-36.7	1.5		
1.8	28.8	1708.1	1698.8	1691.1	0.4	1.1	1.3	-25.4	-34.0	-37.6	1.4		
2.0	28.1	1715.2	1706.0	1698.4	0.4	1.1	1.2	-25.3	-33.8	-38.6	1.4		
2.3	27.6	1722.2	1713.0	1705.5	0.3	1.0	1.2	-25.2	-34.3	-37.2	1.4		
2.5	27.1	1729.1	1719.9	1712.4	0.3	1.0	1.1	-25.4	-34.8	-37.9	1.4		
2.8	26.7	1735.8	1726.7	1719.3	0.2	0.9	1.1	-25.4	-35.0	-38.9	1.4		
3.0	26.5	1742.5	1733.4	1726.0	0.1	0.8	1.0	-26.0	-34.9	-38.1	1.3		
3.3	26.3	1749.1	1740.0	1732.6	0.1	0.7	0.9	-25.9	-34.7	-38.7	1.3		
3.5	26.1	1755.7	1746.5	1739.2	0.0	0.6	0.8	-25.7	-35.4	-37.3	1.3		
3.8	26.0	1762.2	1753.1	1745.7	0.0	0.6	0.7	-25.7	-35.1	-38.3	1.3		
4.0	25.9	1768.7	1759.6	1752.2	0.1	0.5	0.6	-25.9	-34.7	-39.9	1.3		
4.3	25.9	1775.2	1766.0	1758.7	0.1	0.5	0.6	-26.3	-35.3	-38.3	1.2		
4.5	25.9	1781.7	1772.5	1765.1	0.1	0.5	0.6	-26.8	-35.7	-39.8	1.2		
4.8	25.9	1788.2	1779.0	1771.6	0.1	0.5	0.6	-26.8	-35.6	-42.5	1.2		
5.0	26.0	1794.7	1785.4	1778.0	0.1	0.5	0.6	-27.7	-36.4	-40.9	1.2		
5.3	26.1	1801.2	1791.9	1784.5	0.0	0.5	0.5	-28.1	-37.2	-42.1	1.2		
5.5	26.2	1807.7	1798.5	1791.0	-0.1	0.4	0.5	-28.1	-36.0	-43.9	1.2		
5.8	26.4	1814.3	1805.0	1797.6	-0.2	0.4	0.5	-29.0	-36.7	-43.6	1.1		
6.0	26.5	1820.9	1811.6	1804.1	-0.2	0.3	0.4	-29.3	-36.8	-45.7	1.1		
6.3	26.8	1827.6	1818.2	1810.7	-0.3	0.2	0.3	-29.5	-36.8	-42.8	1.1		
6.5	27.0	1834.3	1824.9	1817.4	-0.4	0.1	0.2	-30.0	-35.1	-45.1	1.1		
6.8	27.3	1841.1	1831.7	1824.1	-0.4	0.0	0.1	-30.0	-34.9	-45.6	1.1		
7.0	27.3	1848.0	1838.5	1830.9	-0.5	0.0	0.1	-30.2	-35.3	-43.6	1.1		

**Notes**

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