

# Voltage Controlled Oscillator

# ROS-1700-819R+

## 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			
0.00	33.6	1645.4	1640.6	1637.5	2.7	1.8	0.2	-23.6	-30.2	-37.9	0.5	1	-82
0.25	29.7	1653.8	1649.0	1645.6	2.7	1.8	0.6	-22.7	-31.5	-37.7	0.4	10	-108
0.50	27.2	1661.3	1656.4	1652.8	2.7	1.8	0.7	-22.0	-28.8	-37.7	0.3	100	-130
0.75	25.6	1668.2	1663.2	1659.4	2.6	1.8	0.8	-22.0	-29.3	-36.6	0.2	1000	-150
1.00	24.4	1674.7	1669.6	1665.6	2.6	1.8	0.8	-21.9	-30.7	-37.3	0.2		
1.25	23.5	1680.8	1675.7	1671.6	2.6	1.7	0.8	-22.0	-29.2	-36.5	0.2		
1.50	22.8	1686.8	1681.6	1677.3	2.6	1.7	0.7	-21.6	-29.7	-36.1	0.2		
1.75	22.4	1692.6	1687.3	1682.9	2.5	1.6	0.7	-20.8	-30.1	-36.8	0.2		
2.00	22.0	1698.3	1692.9	1688.4	2.4	1.5	0.6	-20.3	-28.8	-35.4	0.2		
2.25	21.9	1704.0	1698.4	1693.7	2.3	1.3	0.5	-20.2	-29.8	-35.3	0.2		
2.50	21.8	1709.6	1703.9	1699.1	2.2	1.3	0.4	-20.3	-30.6	-37.1	0.2		
2.75	21.7	1715.1	1709.3	1704.4	2.2	1.2	0.3	-20.6	-30.5	-35.8	0.2		
3.00	21.7	1720.7	1714.7	1709.6	2.2	1.2	0.2	-20.9	-28.6	-35.4	0.2		
3.25	21.7	1726.2	1720.2	1714.9	2.2	1.1	0.1	-20.9	-28.6	-36.4	0.2		
3.50	21.9	1731.8	1725.6	1720.2	2.3	1.1	0.1	-20.3	-29.4	-36.3	0.2		
3.75	22.1	1737.4	1731.1	1725.6	2.3	1.2	0.1	-20.0	-29.3	-37.2	0.2		
4.00	22.2	1743.0	1736.6	1730.9	2.4	1.2	0.1	-20.0	-29.3	-37.5	0.2		
4.25	22.4	1748.7	1742.1	1736.3	2.4	1.2	0.1	-20.0	-28.3	-36.3	0.2		
4.50	22.6	1754.4	1747.7	1741.8	2.4	1.2	0.1	-20.5	-28.2	-36.8	0.2		
4.75	22.7	1760.2	1753.4	1747.3	2.4	1.2	0.1	-20.4	-28.0	-37.0	0.2		
5.00	22.9	1765.9	1759.1	1752.9	2.3	1.2	0.1	-20.7	-27.8	-36.4	0.2		
5.25	23.2	1771.8	1764.8	1758.5	2.2	1.1	0.1	-20.3	-27.6	-36.3	0.2		
5.50	23.4	1777.7	1770.6	1764.2	2.1	1.0	0.0	-20.0	-27.4	-35.7	0.2		
5.75	23.7	1783.6	1776.4	1769.9	2.1	0.9	-0.2	-19.9	-27.0	-34.8	0.2		
6.00	23.9	1789.7	1782.3	1775.7	2.0	0.9	-0.3	-20.0	-26.4	-34.9	0.3		
6.25	24.1	1795.7	1788.3	1781.5	2.0	0.8	-0.4	-20.2	-25.8	-34.9	0.3		
6.50	24.4	1801.9	1794.4	1787.5	1.9	0.7	-0.5	-20.3	-25.5	-33.3	0.3		
6.75	24.7	1808.1	1800.5	1793.4	1.8	0.6	-0.6	-20.2	-25.6	-32.0	0.3		
7.00	24.7	1814.4	1806.7	1799.5	1.8	0.5	-0.7	-20.5	-25.5	-32.4	0.4		

**Notes**

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