

# Voltage Controlled Oscillator

# ROS-1790-519R+

## 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	24.2	1614.0	1607.7	1603.5	6.3	6.0	5.6	-30.7	-30.0	-34.3	0.2	1	-82
0.50	20.2	1625.8	1619.8	1616.0	6.4	6.2	5.8	-30.9	-29.8	-34.1	0.4	10	-107
1.00	18.5	1635.8	1629.9	1626.1	6.5	6.3	6.0	-31.0	-30.3	-34.0	0.5	100	-127
1.50	17.8	1645.2	1639.2	1635.2	6.5	6.4	6.0	-30.4	-30.3	-33.6	0.6	1000	-147
2.00	17.4	1654.2	1648.1	1644.0	6.6	6.4	6.1	-30.4	-30.0	-34.6	0.6		
2.50	17.2	1662.9	1656.8	1652.6	6.7	6.5	6.1	-30.6	-30.7	-33.8	0.6		
3.00	17.2	1671.6	1665.3	1661.1	6.8	6.6	6.2	-30.4	-31.8	-33.8	0.7		
3.50	17.1	1680.2	1673.9	1669.7	6.9	6.7	6.3	-30.5	-31.7	-34.6	0.7		
4.00	17.1	1688.8	1682.5	1678.2	7.0	6.7	6.4	-29.6	-32.0	-34.1	0.7		
4.50	17.2	1697.3	1691.0	1686.7	7.0	6.8	6.5	-29.7	-33.0	-34.5	0.7		
5.00	17.6	1706.0	1699.6	1695.3	7.0	6.8	6.6	-30.4	-34.2	-34.5	0.7		
5.50	18.2	1715.0	1708.4	1703.9	6.9	6.8	6.6	-30.5	-33.6	-35.2	0.7		
6.00	19.0	1724.3	1717.5	1712.8	6.8	6.8	6.6	-29.0	-33.8	-33.8	0.8		
6.50	19.8	1734.1	1727.0	1722.0	6.7	6.6	6.5	-28.8	-33.6	-35.0	0.8		
7.00	20.4	1744.1	1736.9	1731.8	6.6	6.5	6.3	-28.7	-33.1	-34.5	0.9		
7.50	20.7	1754.4	1747.1	1741.9	6.6	6.5	6.2	-28.9	-33.6	-33.9	0.9		
8.00	20.4	1764.6	1757.4	1752.2	6.7	6.5	6.2	-28.9	-32.2	-34.6	0.9		
8.50	20.0	1774.7	1767.6	1762.5	6.8	6.5	6.3	-28.0	-32.3	-34.0	0.8		
9.00	19.8	1784.7	1777.6	1772.6	6.8	6.6	6.3	-28.1	-32.1	-33.6	0.8		
9.50	19.6	1794.6	1787.5	1782.5	6.9	6.7	6.4	-27.7	-31.4	-34.4	0.7		
10.00	19.5	1804.4	1797.3	1792.2	6.8	6.7	6.5	-27.1	-30.8	-32.5	0.7		
10.50	19.4	1814.3	1807.0	1801.9	6.8	6.7	6.5	-27.5	-31.1	-33.3	0.7		
11.00	19.3	1824.2	1816.7	1811.4	6.6	6.6	6.5	-27.6	-30.6	-33.1	0.6		
11.50	18.8	1833.8	1826.4	1820.9	6.5	6.5	6.4	-27.5	-30.0	-31.6	0.6		
12.00	18.2	1843.2	1835.8	1830.4	6.5	6.4	6.3	-26.1	-29.6	-32.1	0.6		
12.50	17.3	1852.2	1844.9	1839.5	6.5	6.3	6.2	-26.0	-29.4	-31.6	0.5		
13.00	16.3	1860.6	1853.5	1848.2	6.6	6.3	6.1	-26.1	-29.3	-30.8	0.4		
13.50	15.5	1868.7	1861.7	1856.5	6.7	6.4	6.2	-26.2	-28.6	-30.5	0.4		
14.00	15.5	1876.2	1869.5	1864.3	6.8	6.5	6.3	-25.7	-28.3	-31.2	0.3		

**Notes**

- A. Performance and quality attributes and conditions not expressly stated in this specification document are intended to be excluded and do not form a part of this specification document.
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