

Voltage Controlled Oscillator

ROS-1801C-119+

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	2.6	1791.0	1790.8	1790.4	7.0	6.6	6.5	-16.8	-24.9	-34.6	0.0	1	-101
0.50	2.1	1792.2	1792.1	1791.7	7.0	6.7	6.5	-16.7	-24.8	-34.4	0.0	10	-126
1.00	1.9	1793.3	1793.2	1792.8	7.0	6.7	6.5	-16.7	-24.8	-34.1	0.0	100	-147
1.50	1.7	1794.2	1794.1	1793.8	7.0	6.7	6.5	-16.7	-24.9	-33.9	0.0	1000	-166
2.00	1.6	1795.0	1795.0	1794.6	7.0	6.7	6.5	-16.6	-24.9	-33.6	0.0		
2.50	1.6	1795.8	1795.8	1795.5	7.0	6.7	6.5	-16.6	-25.0	-33.5	0.0		
3.00	1.5	1796.6	1796.6	1796.3	7.0	6.7	6.5	-16.6	-24.9	-33.2	0.0		
3.50	1.5	1797.4	1797.3	1797.0	7.0	6.6	6.5	-16.6	-25.0	-33.0	0.0		
4.00	1.5	1798.1	1798.1	1797.8	7.0	6.6	6.5	-16.6	-25.0	-32.8	0.0		
4.50	1.5	1798.8	1798.8	1798.5	6.9	6.6	6.4	-16.7	-25.0	-32.7	0.0		
5.00	1.4	1799.6	1799.5	1799.2	6.9	6.6	6.4	-16.7	-24.9	-32.7	0.0		
5.50	1.4	1800.3	1800.3	1800.0	6.9	6.6	6.4	-17.0	-25.1	-32.7	0.0		
6.00	1.5	1801.0	1801.0	1800.7	6.9	6.6	6.4	-17.0	-25.2	-32.7	0.0		
6.50	1.5	1801.7	1801.7	1801.4	6.9	6.6	6.4	-17.0	-25.2	-32.9	0.0		
7.00	1.5	1802.4	1802.4	1802.1	6.9	6.5	6.4	-17.2	-25.1	-33.1	0.0		
7.50	1.5	1803.2	1803.2	1802.9	6.8	6.5	6.3	-17.3	-25.0	-33.4	0.0		
8.00	1.5	1803.9	1803.9	1803.6	6.8	6.5	6.3	-17.4	-25.0	-33.8	0.0		
8.50	1.5	1804.7	1804.7	1804.4	6.8	6.5	6.3	-17.4	-25.0	-34.2	0.1		
9.00	1.6	1805.4	1805.5	1805.1	6.8	6.5	6.3	-17.6	-25.0	-34.8	0.1		
9.50	1.6	1806.2	1806.2	1805.9	6.7	6.4	6.3	-17.7	-25.0	-35.2	0.1		
10.00	1.6	1807.0	1807.0	1806.7	6.7	6.4	6.2	-17.9	-25.0	-35.6	0.0		
10.50	1.6	1807.8	1807.8	1807.5	6.7	6.4	6.2	-18.0	-25.0	-36.1	0.0		
11.00	1.5	1808.6	1808.6	1808.3	6.7	6.4	6.2	-18.2	-25.1	-36.7	0.0		
11.50	1.4	1809.3	1809.4	1809.0	6.6	6.3	6.1	-18.3	-25.1	-37.2	0.0		
12.00	1.4	1810.0	1810.1	1809.7	6.6	6.3	6.1	-18.5	-25.2	-37.3	0.0		

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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