

Voltage Controlled Oscillator

ROS-2150VWR+

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	83.2	794.5	776.5	759.2	4.7	4.6	4.2	-10.8	-21.6	-43.4	1.4	1	-71
0.50	80.2	835.9	818.1	801.4	5.2	5.0	4.4	-10.2	-22.7	-41.2	1.2	10	-99
2.00	74.3	953.1	936.9	923.5	6.2	5.5	4.3	-9.2	-26.8	-34.6	0.5	100	-122
3.00	73.6	1025.3	1011.3	1000.2	6.5	5.6	4.1	-9.2	-36.8	-33.9	0.3	1000	-142
4.00	73.6	1097.4	1084.9	1075.0	6.6	5.3	3.8	-9.8	-34.7	-32.8	0.1		
5.00	74.3	1170.2	1158.5	1149.2	6.4	5.1	3.7	-10.8	-29.5	-34.1	0.0		
6.00	74.8	1243.8	1232.8	1223.7	6.2	5.0	3.7	-11.8	-26.6	-35.8	0.2		
7.00	74.2	1318.4	1307.6	1298.5	6.0	5.0	3.8	-11.7	-24.8	-35.9	0.5		
8.00	72.8	1392.1	1381.7	1373.0	5.9	5.1	4.1	-13.6	-24.9	-36.9	1.4		
9.00	75.7	1464.4	1454.5	1446.6	5.5	4.9	4.1	-13.3	-25.2	-41.9	2.0		
10.00	73.7	1541.7	1530.2	1520.8	4.0	4.0	3.4	-27.0	-22.8	-35.7	0.6		
11.00	69.1	1616.4	1603.9	1593.5	4.2	4.1	3.7	-49.7	-23.2	-37.1	0.4		
12.00	65.5	1685.7	1673.0	1662.2	4.5	4.4	3.9	-34.0	-24.8	-41.7	0.4		
13.00	60.8	1751.7	1738.5	1727.1	4.6	4.5	4.0	-34.1	-27.0	-41.0	0.4		
14.00	57.7	1812.9	1799.4	1787.7	4.8	4.7	4.3	-25.0	-27.5	-40.0	0.4		
15.00	52.5	1870.5	1857.1	1845.0	5.0	4.8	4.4	-23.1	-25.9	-41.9	0.4		
16.00	49.7	1923.9	1909.6	1897.0	5.0	4.9	4.6	-22.5	-25.0	-40.2	0.2		
17.00	45.2	1973.7	1959.2	1946.3	5.1	5.0	4.6	-21.4	-24.0	-38.8	0.1		
18.00	42.1	2019.2	2004.4	1991.3	5.2	5.1	4.7	-21.3	-23.0	-36.2	0.1		
19.00	39.0	2062.1	2046.5	2032.7	5.2	5.1	4.8	-21.4	-23.7	-35.8	0.4		
20.00	34.4	2101.1	2085.5	2071.3	5.3	5.1	4.8	-20.8	-24.4	-35.2	0.6		
21.00	32.9	2136.5	2119.9	2105.8	5.2	5.2	4.8	-20.3	-24.4	-35.9	0.9		
22.00	29.0	2169.9	2152.7	2137.0	5.2	5.1	4.8	-20.2	-26.1	-36.0	1.3		
23.00	25.4	2198.9	2181.7	2166.3	5.2	5.2	4.8	-20.7	-27.2	-36.0	1.5		
24.00	21.9	2224.7	2207.1	2191.2	5.2	5.2	4.8	-20.7	-28.9	-36.4	1.8		
25.00	19.1	2247.6	2229.0	2212.9	5.1	5.1	4.8	-21.3	-31.1	-37.0	2.1		
26.00	16.8	2268.0	2248.1	2231.2	5.0	5.1	4.8	-22.0	-32.1	-38.3	2.7		
27.00	16.8	2285.3	2264.9	2246.9	5.0	5.0	4.7	-21.9	-34.4	-39.3	3.2		

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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