

# Voltage Controlled Oscillator

# ROS-1200WR+

## 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	43.6	566.0	550.8	535.3	11.1	11.2	11.0	-32.1	-22.3	-37.1	0.3	1	-71
0.50	42.3	587.4	572.6	557.7	11.0	11.0	10.7	-31.9	-23.0	-39.7	0.4	10	-97
2.00	43.0	650.6	635.4	621.6	10.6	10.6	10.0	-47.0	-23.2	-50.0	0.6	100	-119
3.00	48.0	693.0	678.4	665.1	10.5	10.4	9.7	-32.2	-24.1	-50.8	0.6	1000	-139
4.00	54.2	741.8	726.4	712.8	10.1	10.0	9.2	-31.8	-25.8	-46.6	0.6		
5.00	59.7	797.2	780.6	766.8	9.9	9.8	9.0	-27.5	-29.4	-44.4	0.7		
6.00	61.0	857.6	840.2	825.7	10.0	9.6	8.6	-24.9	-35.5	-42.3	0.7		
7.00	61.9	918.4	901.2	886.8	9.7	9.4	8.5	-21.9	-40.8	-41.6	0.7		
8.00	62.0	980.5	963.1	948.7	9.6	9.2	8.4	-21.0	-38.0	-42.3	0.8		
9.00	61.4	1042.9	1025.1	1010.5	9.5	9.1	8.4	-18.1	-35.8	-41.7	0.8		
10.00	59.0	1103.1	1086.4	1072.0	9.3	9.1	8.3	-18.0	-33.4	-41.1	0.7		
11.00	56.3	1161.5	1145.4	1131.2	8.9	8.7	8.1	-17.1	-32.1	-44.4	0.7		
12.00	52.8	1218.9	1201.7	1187.0	8.4	8.3	7.8	-18.9	-31.5	-43.1	0.7		
13.00	50.8	1272.5	1254.6	1240.1	7.9	7.9	7.5	-20.8	-30.3	-42.1	0.7		
14.00	44.4	1323.2	1305.3	1290.0	7.7	7.6	7.1	-23.5	-30.0	-40.2	0.6		
15.00	42.3	1368.7	1349.7	1334.6	7.3	7.3	7.0	-26.1	-29.6	-39.1	0.6		
16.00	35.8	1409.4	1392.0	1377.0	7.2	7.1	6.6	-29.0	-28.9	-38.7	0.6		
17.00	34.2	1445.6	1427.8	1413.3	6.8	6.8	6.5	-28.8	-29.0	-37.7	0.5		
18.00	30.6	1479.5	1462.0	1447.2	6.5	6.5	6.1	-30.2	-29.0	-39.2	0.5		
19.00	29.4	1508.2	1492.6	1478.5	6.4	6.3	5.9	-30.3	-30.2	-41.3	0.3		
20.00	29.4	1538.9	1522.0	1506.8	6.1	6.2	5.8	-28.8	-32.8	-46.3	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.
- B. Electrical specifications and performance data contained in this specification document are based on Mini-Circuits' applicable established test performance criteria and measurement instructions.
- C. The parts covered by this specification document are subject to Mini-Circuits' standard limited warranty and terms and conditions (collectively, "Standard Terms"); Purchasers of this part are entitled to the rights and benefits contained therein. For a full statement of the Standard Terms and the exclusive rights and remedies thereunder, please visit Mini-Circuits' website at [www.minicircuits.com/MCStore/terms.jsp](http://www.minicircuits.com/MCStore/terms.jsp)

