

# Voltage Controlled Oscillator

# ROS-2360WR+

## 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			
0.0	92.0	1183.5	1168.9	1157.6	8.3	7.8	7.2	-14.8	-23.6	-42.3	0.7	1	-73
0.5	82.6	1228.4	1214.8	1204.6	8.6	8.1	7.5	-14.3	-26.4	-41.5	1.0	10	-100
2.0	69.8	1345.7	1334.2	1325.8	9.3	8.7	8.1	-13.4	-34.8	-39.9	1.3	100	-122
3.0	68.1	1414.9	1403.9	1395.8	9.6	8.9	8.3	-13.2	-36.3	-40.4	1.4	1000	-142
4.0	68.8	1483.4	1472.0	1462.9	9.7	9.0	8.4	-12.6	-35.1	-43.7	1.6		
5.0	71.5	1552.1	1540.8	1532.0	9.8	9.2	8.6	-12.8	-34.1	-33.2	1.6		
6.0	72.0	1623.6	1612.3	1603.4	9.8	9.1	8.6	-13.8	-33.6	-32.6	1.5		
7.0	73.4	1695.7	1684.3	1675.6	9.6	9.0	8.6	-13.7	-34.1	-32.2	1.3		
8.0	73.7	1767.5	1757.8	1749.5	9.5	9.1	8.7	-13.6	-33.0	-30.3	0.8		
9.0	70.4	1840.1	1831.5	1823.2	9.2	8.9	8.4	-14.7	-34.3	-30.7	0.6		
10.0	68.4	1910.8	1901.9	1893.9	8.9	8.6	8.3	-16.1	-36.2	-32.6	0.2		
11.0	65.8	1978.2	1970.3	1962.8	8.6	8.5	8.2	-18.4	-36.2	-31.4	0.1		
12.0	61.4	2044.1	2036.1	2028.4	8.4	8.2	7.9	-23.2	-29.2	-31.9	0.3		
13.0	59.0	2106.0	2097.5	2089.9	8.0	7.9	7.7	-24.2	-27.4	-33.1	0.3		
14.0	54.9	2165.1	2156.5	2148.9	7.6	7.6	7.5	-22.7	-26.1	-34.4	0.2		
15.0	53.0	2220.0	2211.4	2204.3	7.3	7.4	7.3	-23.7	-27.0	-36.0	0.2		
16.0	47.6	2273.1	2264.4	2256.6	7.0	6.9	6.7	-24.7	-26.1	-37.6	0.2		
17.0	47.2	2320.7	2312.0	2304.9	6.5	6.8	6.7	-25.5	-26.6	-38.8	0.3		
18.0	41.2	2368.2	2359.1	2350.9	6.3	6.2	6.0	-25.1	-26.3	-40.8	0.6		
19.0	40.9	2409.3	2400.3	2393.1	5.8	6.3	6.3	-25.7	-26.3	-43.7	0.6		
20.0	36.5	2450.6	2441.2	2433.1	5.6	5.8	5.7	-24.8	-27.1	-44.1	0.9		
21.0	34.6	2486.8	2477.7	2470.2	5.3	5.6	5.6	-25.4	-26.8	-45.6	0.8		
22.0	34.6	2522.4	2512.3	2503.8	4.9	5.2	5.2	-24.9	-27.3	-44.1	1.0		

**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-Circuit's applicable established test performance criteria and measurement instructions.
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