

Voltage Controlled Oscillator

ROS-435-119+

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	6.0	408.0	406.9	405.9	3.1	2.5	2.0	-22.5	-32.5	-36.5	0.1	1	-93
0.50	5.0	410.9	409.9	409.0	3.1	2.5	2.0	-22.5	-32.5	-36.2	0.0	10	-118
1.00	4.6	413.4	412.4	411.5	3.0	2.5	2.1	-22.6	-32.5	-35.9	0.0	100	-139
1.50	4.3	415.7	414.7	413.7	3.0	2.5	2.1	-22.5	-32.5	-35.8	0.0	1000	-159
2.00	4.3	417.9	416.9	415.9	3.0	2.5	2.1	-22.5	-32.6	-35.6	0.0		
2.50	4.2	420.1	419.0	418.0	3.0	2.5	2.1	-22.4	-32.6	-35.6	0.1		
3.00	4.3	422.2	421.1	420.1	3.0	2.5	2.1	-22.4	-32.7	-35.6	0.1		
3.50	4.4	424.4	423.3	422.2	3.0	2.5	2.1	-22.4	-32.8	-35.7	0.1		
4.00	4.6	426.7	425.5	424.4	3.1	2.6	2.1	-22.4	-32.8	-35.8	0.1		
4.50	4.8	429.0	427.8	426.6	3.1	2.6	2.2	-22.4	-32.7	-35.8	0.1		
5.00	5.1	431.5	430.1	429.0	3.1	2.6	2.2	-22.6	-32.6	-35.8	0.1		
5.50	5.4	434.0	432.7	431.5	3.2	2.6	2.2	-22.8	-32.4	-35.5	0.0		
6.00	5.7	436.7	435.4	434.1	3.2	2.6	2.2	-22.8	-32.4	-35.1	0.0		
6.50	6.0	439.5	438.2	436.9	3.2	2.6	2.2	-23.3	-32.4	-34.6	0.0		
7.00	6.3	442.6	441.3	439.9	3.1	2.6	2.2	-23.4	-32.6	-34.1	0.0		
7.50	6.5	445.8	444.4	442.9	3.1	2.6	2.2	-23.6	-32.8	-33.8	0.1		
8.00	6.7	449.1	447.6	446.1	3.1	2.6	2.2	-23.6	-32.9	-33.7	0.1		
8.50	6.9	452.5	451.0	449.4	3.2	2.6	2.2	-23.5	-32.8	-34.3	0.1		
9.00	7.0	456.0	454.5	452.8	3.2	2.6	2.2	-23.1	-32.6	-35.0	0.2		
9.50	7.1	459.6	458.0	456.3	3.2	2.6	2.1	-23.1	-32.1	-35.5	0.3		
10.00	7.1	463.1	461.5	459.8	3.1	2.6	2.1	-22.8	-31.3	-35.6	0.3		
10.50	7.1	466.7	465.0	463.3	3.1	2.5	2.0	-22.6	-30.7	-35.6	0.4		
11.00	7.2	470.3	468.6	466.9	2.9	2.4	1.9	-22.6	-30.1	-35.9	0.5		
11.50	7.1	473.8	472.2	470.5	2.8	2.2	1.7	-22.4	-29.6	-36.6	0.6		
12.00	7.1	477.4	475.8	474.1	2.6	2.1	1.6	-22.3	-29.4	-36.6	0.6		

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.
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