

Voltage Controlled Oscillator

ROS-809C-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)
		-40°C	+25°C	+85°C	-40°C	+25°C	+85°C	F2	F3	F4			
0.00	20.3	745.9	742.8	741.9	4.1	3.3	2.6	-25.6	-40.7	-51.3	0.3	1	-89
0.25	18.7	750.9	747.9	747.1	4.4	3.8	3.3	-24.3	-40.5	-44.2	0.7	10	-119
0.50	17.8	755.4	752.5	751.9	4.6	4.0	3.6	-24.5	-40.2	-40.5	1.0	100	-142
0.75	16.8	759.7	757.0	756.5	4.6	4.1	3.7	-23.3	-39.8	-38.8	1.3	1000	-162
1.00	15.3	763.8	761.2	760.6	4.6	4.1	3.7	-23.3	-39.6	-38.5	1.3		
1.25	14.1	767.6	765.0	764.4	4.6	4.1	3.7	-23.0	-39.7	-38.4	1.1		
1.50	13.3	771.1	768.5	767.8	4.6	4.1	3.8	-23.0	-39.4	-37.9	0.9		
1.80	12.4	775.1	772.5	771.7	4.6	4.1	3.8	-23.0	-38.9	-37.1	0.7		
2.00	12.0	777.5	775.0	774.2	4.5	4.1	3.8	-23.2	-38.6	-36.6	0.6		
2.25	11.5	780.5	778.0	777.1	4.5	4.1	3.8	-23.3	-38.1	-36.6	0.6		
2.50	11.1	783.4	780.9	779.9	4.5	4.1	3.8	-23.4	-37.8	-36.6	0.5		
2.75	10.8	786.1	783.7	782.7	4.5	4.1	3.8	-23.4	-37.5	-36.6	0.4		
3.00	10.5	788.8	786.4	785.3	4.4	4.0	3.7	-23.4	-37.5	-36.5	0.4		
3.25	10.2	791.4	789.0	787.9	4.4	4.0	3.7	-23.4	-37.6	-36.4	0.3		
3.50	10.0	794.0	791.5	790.4	4.4	4.0	3.7	-23.3	-37.8	-36.2	0.3		
3.75	9.8	796.5	794.0	792.8	4.4	4.0	3.7	-23.2	-37.8	-35.9	0.2		
4.00	9.7	798.9	796.5	795.3	4.3	4.0	3.7	-23.0	-37.8	-35.7	0.2		
4.25	9.5	801.3	798.9	797.6	4.3	3.9	3.7	-22.9	-37.7	-35.6	0.1		
4.50	9.4	803.6	801.3	800.0	4.3	3.9	3.7	-22.8	-37.4	-35.3	0.1		
4.85	9.2	806.9	804.6	803.2	4.2	3.9	3.6	-22.7	-37.0	-35.3	0.0		
5.00	9.2	808.3	806.0	804.5	4.2	3.9	3.6	-22.7	-36.8	-35.3	0.0		
5.25	9.1	810.6	808.3	806.8	4.2	3.8	3.6	-22.6	-36.7	-35.4	0.1		
5.50	9.0	812.8	810.5	809.0	4.1	3.8	3.6	-22.6	-36.5	-35.7	0.1		
5.75	9.0	815.0	812.8	811.2	4.1	3.8	3.5	-22.5	-36.7	-35.7	0.2		
6.00	8.9	817.3	815.0	813.4	4.1	3.7	3.5	-22.4	-36.8	-35.7	0.2		
6.25	8.9	819.5	817.3	815.6	4.0	3.7	3.5	-22.3	-37.3	-35.5	0.2		
6.50	8.9	821.7	819.5	817.7	4.0	3.7	3.4	-22.3	-37.9	-35.4	0.3		
6.75	8.8	823.9	821.7	819.9	4.0	3.6	3.4	-22.1	-38.1	-35.2	0.3		
7.00	8.8	826.1	823.9	822.1	3.9	3.6	3.4	-22.0	-37.8	-35.3	0.4		

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

