

Voltage Controlled Oscillator

ROS-1000PV+

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	36.9	860.2	853.6	846.6	8.2	9.4	9.6	-23.5	-34.3	-50.5	0.5	1	-80
0.3	33.7	869.0	862.8	856.4	8.2	9.4	9.7	-25.2	-33.5	-45.8	0.4	10	-104
0.5	31.8	877.1	871.2	865.2	8.1	9.3	9.7	-26.6	-32.7	-43.1	0.3	100	-124
0.8	31.0	884.9	879.2	873.3	7.8	9.0	9.5	-27.8	-32.1	-39.0	0.3	1000	-144
1.0	30.8	892.6	886.9	881.1	7.5	8.7	9.2	-28.4	-31.3	-37.1	0.2		
1.3	31.0	900.3	894.6	888.8	7.5	8.4	8.9	-29.1	-30.6	-34.5	0.2		
1.5	31.3	908.1	902.4	896.5	7.6	8.5	8.7	-30.3	-30.5	-33.6	0.2		
1.8	31.9	915.9	910.2	904.2	7.6	8.6	8.8	-30.4	-30.0	-32.2	0.2		
2.0	33.2	924.1	918.2	912.1	7.4	8.5	8.8	-32.2	-30.2	-33.6	0.2		
2.3	34.3	932.5	926.5	920.2	7.1	8.3	8.8	-32.3	-29.5	-31.9	0.2		
2.5	34.9	941.3	935.1	928.6	6.7	8.0	8.6	-32.6	-29.6	-31.6	0.2		
2.8	35.9	950.3	943.8	937.2	6.2	7.7	8.3	-33.9	-30.1	-32.4	0.3		
3.0	36.2	959.4	952.8	945.9	5.9	7.3	8.0	-33.5	-29.2	-32.3	0.3		
3.3	36.0	968.6	961.8	954.7	5.7	7.0	7.7	-34.2	-29.3	-33.0	0.4		
3.5	35.4	977.7	970.8	963.6	5.6	6.9	7.4	-34.1	-30.0	-33.8	0.6		
3.8	34.5	986.6	979.7	972.5	5.6	6.9	7.4	-34.2	-29.6	-33.8	0.7		
4.0	33.7	995.3	988.3	981.1	5.5	6.8	7.4	-35.5	-30.2	-35.1	0.8		
4.3	32.6	1003.7	996.7	989.4	5.4	6.8	7.4	-35.6	-30.3	-35.0	0.9		
4.5	31.8	1011.9	1004.9	997.6	5.2	6.7	7.3	-35.7	-30.0	-34.9	0.9		
4.8	30.9	1019.9	1012.8	1005.4	5.1	6.5	7.3	-35.6	-31.0	-36.2	1.0		
5.0	29.8	1027.7	1020.5	1013.0	5.0	6.4	7.1	-36.3	-31.1	-36.2	1.1		
5.3	28.3	1035.1	1028.0	1020.4	5.0	6.3	7.0	-37.7	-30.2	-37.7	1.3		
5.5	25.8	1042.3	1035.1	1027.5	5.1	6.4	7.0	-37.2	-30.4	-37.6	1.6		
5.8	17.0	1048.0	1041.5	1034.0	5.9	6.8	7.2	-34.9	-31.3	-39.8	2.1		
6.0	7.2	1050.2	1045.8	1039.4	7.8	7.8	7.7	-35.8	-31.9	-44.1	2.4		
6.3	7.0	1052.3	1047.6	1042.8	9.4	9.2	8.4	-31.5	-33.0	-42.7	2.4		
6.5	12.7	1056.7	1049.3	1045.1	10.1	10.2	9.0	-27.3	-34.0	-37.3	3.3		
6.8	13.4	1060.5	1052.5	1047.5	10.5	10.4	9.4	-24.3	-33.5	-36.4	3.4		
7.0	13.4	1064.0	1055.9	1050.2	10.7	10.4	9.4	-24.3	-33.2	-37.4	3.3		

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