

Voltage Controlled Oscillator

ROS-933C-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	5.9	925.1	922.9	921.4	0.6	0.1	-0.5	-24.9	-44.8	-64.5	0.1	1	-97
0.25	5.2	926.6	924.4	922.9	0.6	0.1	-0.5	-24.8	-44.7	-65.2	0.1	10	-123
0.50	4.7	927.8	925.7	924.3	0.6	0.1	-0.4	-24.7	-44.8	-65.9	0.1	100	-144
0.75	4.4	929.0	926.9	925.5	0.6	0.1	-0.4	-24.7	-45.5	-65.6	0.1	1000	-163
1.00	4.2	930.1	928.0	926.6	0.6	0.1	-0.4	-24.6	-45.5	-64.3	0.0		
1.25	4.1	931.1	929.0	927.7	0.6	0.1	-0.4	-24.5	-46.0	-64.8	0.0		
1.50	4.0	932.1	930.0	928.7	0.6	0.2	-0.4	-24.4	-46.2	-66.3	0.0		
1.75	3.9	933.1	931.0	929.7	0.6	0.2	-0.4	-24.3	-46.7	-63.8	0.0		
2.00	3.8	934.1	932.0	930.7	0.6	0.2	-0.4	-24.3	-47.4	-66.8	0.0		
2.25	3.8	935.0	932.9	931.6	0.6	0.2	-0.4	-24.2	-47.9	-63.8	0.0		
2.50	3.8	936.0	933.9	932.6	0.6	0.2	-0.4	-24.1	-48.0	-66.5	0.0		
2.75	3.8	936.9	934.8	933.5	0.6	0.2	-0.4	-24.1	-48.5	-66.2	0.0		
3.00	3.8	937.9	935.8	934.5	0.6	0.2	-0.4	-24.0	-49.7	-63.5	0.0		
3.25	3.8	938.8	936.7	935.4	0.6	0.2	-0.4	-23.9	-50.9	-66.1	0.0		
3.50	3.8	939.8	937.7	936.3	0.6	0.2	-0.4	-23.8	-50.6	-66.4	0.0		
3.75	3.8	940.7	938.6	937.3	0.6	0.2	-0.4	-23.7	-52.1	-66.2	0.0		
4.00	3.8	941.7	939.6	938.2	0.6	0.2	-0.4	-23.8	-53.6	-66.8	0.0		
4.25	3.9	942.7	940.5	939.2	0.6	0.2	-0.4	-23.7	-54.0	-65.1	0.0		
4.50	3.9	943.6	941.5	940.1	0.6	0.2	-0.4	-23.6	-53.9	-64.8	0.0		
4.75	3.9	944.6	942.4	941.1	0.6	0.2	-0.4	-23.5	-51.9	-64.4	0.0		
5.00	4.0	945.6	943.4	942.1	0.6	0.2	-0.4	-23.3	-50.8	-62.3	0.0		
5.25	4.0	946.6	944.4	943.0	0.6	0.2	-0.4	-23.2	-48.9	-64.5	0.1		
5.50	4.0	947.6	945.4	944.0	0.6	0.2	-0.4	-23.1	-47.3	-60.4	0.1		
5.75	4.0	948.7	946.4	945.0	0.6	0.2	-0.4	-23.0	-47.0	-60.6	0.1		
6.00	4.1	949.7	947.4	946.0	0.6	0.2	-0.4	-22.8	-46.7	-59.6	0.1		
6.25	4.1	950.7	948.5	947.0	0.6	0.2	-0.4	-22.6	-46.4	-61.2	0.1		
6.50	4.1	951.8	949.5	948.1	0.5	0.2	-0.4	-22.4	-46.1	-61.0	0.1		
6.75	4.1	952.8	950.5	949.1	0.5	0.2	-0.4	-22.2	-45.1	-58.9	0.1		
7.00	4.1	953.9	951.5	950.1	0.5	0.2	-0.4	-22.2	-44.4	-60.2	0.1		

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/MCULStore/terms.jsp

