

Voltage Controlled Oscillator

ROS-3900-419+

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	40.6	3571.7	3552.4	3542.1	4.5	4.4	3.6	-21.6	-41.9	-61.5	2.6	1	-72
0.5	36.5	3591.4	3572.7	3562.9	4.5	4.3	3.6	-20.7	-40.4	-58.5	2.8	10	-96
1.0	34.4	3609.2	3590.9	3581.3	4.5	4.4	3.6	-17.5	-39.9	-60.4	2.7	100	-118
1.5	35.1	3626.2	3608.1	3598.5	4.3	4.4	3.7	-21.0	-42.6	-58.8	2.8	1000	-138
2.0	36.0	3644.2	3625.7	3615.6	4.4	4.2	3.7	-23.8	-42.3	-62.4	2.7		
2.5	36.0	3661.8	3643.7	3633.2	4.4	4.2	3.5	-17.5	-39.3	-55.8	3.0		
3.0	36.7	3679.8	3661.7	3651.8	4.5	4.4	3.7	-19.4	-41.6	-62.6	2.8		
3.5	38.9	3698.9	3680.0	3669.7	4.1	4.4	3.8	-24.0	-47.1	-60.2	2.8		
4.0	38.8	3718.3	3699.4	3688.2	4.4	4.2	3.9	-17.9	-40.0	-60.8	3.1		
4.5	38.7	3737.7	3718.9	3707.9	4.5	4.3	3.6	-19.5	-46.4	-59.6	3.1		
5.0	38.1	3757.1	3738.2	3727.3	4.5	4.5	3.9	-22.8	-48.1	-58.5	2.8		
5.5	38.9	3776.8	3757.3	3745.9	4.1	4.5	4.1	-18.8	-43.8	-57.9	2.9		
6.0	36.9	3795.7	3776.8	3764.7	4.4	4.3	4.1	-19.1	-44.3	-52.3	3.0		
6.5	37.5	3814.7	3795.2	3783.9	4.5	4.4	4.0	-22.0	-43.0	-49.3	3.0		
7.0	36.4	3833.3	3814.0	3802.0	4.3	4.5	4.2	-20.4	-40.4	-47.3	2.9		
7.5	36.3	3851.7	3832.2	3820.1	4.2	4.4	4.3	-18.2	-48.0	-46.5	2.9		
8.0	36.4	3870.3	3850.4	3838.0	4.0	4.3	4.1	-22.7	-44.3	-48.1	2.9		
8.5	36.6	3889.0	3868.6	3855.8	3.9	4.2	4.0	-21.6	-41.8	-51.8	2.9		
9.0	35.4	3906.5	3886.8	3873.7	4.0	4.2	4.0	-18.3	-45.6	-48.9	3.0		
9.5	34.9	3924.6	3904.5	3891.6	4.1	4.1	4.0	-20.1	-42.4	-56.4	2.7		
10.0	35.5	3942.5	3922.0	3908.9	4.1	4.3	3.9	-21.8	-43.0	-57.8	3.0		
10.5	35.3	3960.5	3939.7	3926.1	3.9	4.3	4.1	-19.3	-44.0	-53.8	2.8		
11.0	36.1	3978.2	3957.4	3943.5	3.7	4.2	4.1	-18.3	-44.9	-53.8	2.8		
11.5	32.6	3995.4	3975.4	3960.8	3.9	3.8	4.1	-22.0	-40.0	-51.4	2.7		
12.0	34.9	4013.2	3991.7	3978.5	3.9	4.0	3.7	-21.4	-39.1	-52.3	2.6		
12.5	33.0	4030.1	4009.1	3994.3	3.9	4.1	3.8	-17.3	-44.1	-58.1	2.6		
13.0	32.1	4047.3	4025.7	4011.2	3.5	4.1	3.9	-20.3	-42.9	-50.0	2.5		
13.5	31.8	4063.0	4041.7	4027.0	3.5	4.0	4.0	-21.7	-41.3	-47.0	2.4		
14.0	31.8	4078.9	4057.6	4042.2	3.5	3.6	3.9	-19.5	-40.8	-50.2	2.2		

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/MCLStore/terms.jsp

