

Voltage Controlled Oscillator

ROS-800C-119R+

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	4.8	793.2	791.2	790.0	6.0	5.9	5.6	-28.0	-41.1	-44.7	0.2	1 10 100 1000	-97 -124 -145 -165
0.25	4.1	794.3	792.4	791.3	6.0	5.9	5.6	-28.2	-40.4	-44.1	0.1		
0.50	3.7	795.3	793.4	792.3	6.0	5.8	5.6	-28.3	-40.4	-44.2	0.1		
0.75	3.5	796.2	794.4	793.3	5.9	5.8	5.6	-28.4	-40.2	-44.3	0.0		
1.00	3.3	797.1	795.2	794.2	5.9	5.7	5.5	-28.4	-40.1	-44.1	0.0		
1.25	3.2	797.9	796.1	795.0	5.8	5.7	5.5	-28.5	-40.0	-44.3	0.0		
1.50	3.2	798.7	796.9	795.8	5.8	5.7	5.5	-28.8	-39.8	-44.4	0.0		
1.75	3.1	799.5	797.7	796.6	5.7	5.6	5.4	-29.0	-39.6	-44.5	0.0		
2.00	3.1	800.3	798.5	797.4	5.7	5.6	5.4	-29.1	-39.6	-44.8	0.0		
2.25	3.1	801.1	799.2	798.2	5.6	5.5	5.3	-29.3	-39.4	-44.9	0.0		
2.50	3.1	801.8	800.0	799.0	5.6	5.5	5.3	-29.5	-39.1	-45.3	0.0		
2.75	3.2	802.6	800.8	799.8	5.5	5.5	5.3	-29.6	-39.0	-45.6	0.0		
3.00	3.2	803.4	801.6	800.6	5.5	5.4	5.2	-29.8	-38.7	-46.0	0.0		
3.25	3.2	804.2	802.4	801.4	5.4	5.4	5.2	-29.8	-38.5	-46.5	0.0		
3.50	3.2	805.0	803.2	802.2	5.4	5.3	5.1	-29.9	-38.2	-46.7	0.0		
3.75	3.3	805.8	804.0	803.0	5.3	5.3	5.1	-30.4	-38.2	-47.3	0.0		
4.00	3.3	806.6	804.8	803.8	5.3	5.2	5.0	-30.6	-38.1	-47.6	0.0		
4.25	3.3	807.5	805.7	804.6	5.2	5.2	5.0	-30.6	-38.0	-48.0	0.0		
4.50	3.3	808.3	806.5	805.5	5.2	5.1	4.9	-31.0	-38.0	-48.7	0.0		
4.75	3.3	809.1	807.3	806.3	5.1	5.1	4.9	-31.1	-38.1	-49.3	0.1		
5.00	3.3	810.0	808.2	807.2	5.1	5.0	4.8	-31.1	-38.1	-49.5	0.1		
5.25	3.3	810.8	809.0	808.0	5.0	4.9	4.8	-31.4	-38.1	-50.0	0.1		
5.50	3.3	811.6	809.8	808.8	5.0	4.9	4.7	-31.4	-38.3	-50.9	0.1		
5.75	3.3	812.4	810.7	809.7	4.9	4.8	4.7	-31.5	-38.4	-51.5	0.2		
6.00	3.3	813.2	811.5	810.5	4.9	4.8	4.6	-31.6	-38.5	-51.8	0.2		
6.25	3.2	814.0	812.3	811.3	4.8	4.7	4.6	-31.5	-38.7	-52.5	0.2		
6.50	3.2	814.8	813.1	812.1	4.8	4.7	4.5	-31.6	-38.9	-52.7	0.2		
6.75	3.1	815.6	813.9	812.9	4.7	4.7	4.5	-31.5	-39.0	-53.1	0.2		
7.00	3.1	816.4	814.7	813.7	4.7	4.6	4.4	-31.5	-39.2	-53.9	0.3		

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.
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