

Voltage Controlled Oscillator

ROS-485-119R+

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			
0.0	15.1	439.6	437.1	435.3	4.1	3.9	3.0	-19.2	-42.8	-40.7	0.3	1	-89
0.3	13.6	443.2	440.8	439.3	4.4	4.2	3.4	-19.0	-43.8	-38.2	0.3	10	-119
0.5	12.7	446.5	444.2	442.8	4.6	4.4	3.6	-19.2	-44.0	-36.3	0.2	100	-139
0.8	12.1	449.6	447.4	446.0	4.7	4.5	3.7	-19.1	-45.5	-35.0	0.2	1000	-159
1.0	11.7	452.6	450.4	449.1	4.8	4.6	3.8	-19.0	-45.5	-34.1	0.2		
1.3	11.5	455.5	453.4	452.0	4.9	4.6	3.8	-19.1	-45.6	-33.6	0.2		
1.5	11.4	458.3	456.2	454.9	4.9	4.7	3.9	-19.1	-44.9	-33.2	0.2		
1.8	11.3	461.2	459.1	457.8	4.9	4.7	3.9	-19.2	-44.9	-32.7	0.2		
2.0	11.3	464.0	461.9	460.6	4.9	4.7	3.9	-19.7	-42.9	-32.0	0.2		
2.3	11.4	466.8	464.7	463.4	4.9	4.6	3.9	-19.6	-43.0	-31.3	0.2		
2.5	11.5	469.6	467.6	466.3	4.8	4.6	3.9	-20.4	-41.4	-30.9	0.2		
2.8	11.6	472.5	470.4	469.1	4.8	4.5	3.9	-20.3	-40.6	-30.8	0.2		
3.0	11.7	475.3	473.3	472.1	4.7	4.5	3.8	-20.8	-39.9	-30.9	0.3		
3.3	11.9	478.2	476.3	475.0	4.6	4.4	3.8	-21.8	-39.0	-30.7	0.3		
3.5	12.0	481.2	479.2	478.0	4.4	4.3	3.7	-21.7	-38.1	-30.5	0.3		
3.8	12.2	484.1	482.2	481.0	4.3	4.2	3.6	-22.2	-37.2	-30.3	0.3		
4.0	12.3	487.1	485.3	484.1	4.1	4.0	3.5	-23.3	-36.2	-30.4	0.4		
4.3	12.5	490.2	488.4	487.2	3.9	3.9	3.4	-23.1	-35.5	-31.0	0.4		
4.5	12.7	493.3	491.5	490.3	3.7	3.7	3.3	-23.5	-34.9	-31.8	0.5		
4.8	12.9	496.4	494.7	493.5	3.5	3.5	3.1	-23.8	-34.2	-32.3	0.5		
5.0	13.0	499.6	497.9	496.7	3.2	3.3	3.0	-24.4	-33.4	-32.6	0.5		
5.3	13.2	502.8	501.1	500.0	3.0	3.1	2.8	-24.4	-32.6	-32.7	0.5		
5.5	13.3	506.1	504.4	503.3	2.7	2.9	2.6	-24.4	-31.7	-33.0	0.6		
5.8	13.4	509.4	507.8	506.6	2.4	2.7	2.4	-24.2	-30.7	-33.8	0.6		
6.0	13.5	512.7	511.1	510.0	2.2	2.4	2.2	-24.0	-29.9	-34.6	0.6		
6.3	13.5	516.0	514.5	513.4	1.9	2.2	1.9	-23.7	-29.2	-35.2	0.6		
6.5	13.7	519.4	517.9	516.8	1.6	1.9	1.7	-23.4	-28.7	-35.6	0.6		
6.8	13.7	522.7	521.3	520.2	1.3	1.7	1.5	-23.0	-28.3	-35.7	0.6		
7.0	13.7	526.1	524.7	523.6	1.1	1.4	1.2	-22.3	-27.9	-35.9	0.6		

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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