

Voltage Controlled Oscillator

ROS-498-119R+

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	17.5	443.0	440.2	437.9	4.1	4.0	3.3	-18.9	-52.5	-44.3	0.2	1	-91
0.25	15.6	447.2	444.6	442.5	4.3	4.3	3.7	-19.1	-58.4	-42.1	0.1	10	-118
0.50	14.5	451.0	448.5	446.5	4.5	4.5	3.9	-18.5	-65.0	-41.2	0.1	100	-138
0.75	13.7	454.6	452.1	450.2	4.6	4.6	4.1	-18.7	-60.5	-40.9	0.1	1000	-158
1.00	13.1	457.9	455.5	453.7	4.7	4.7	4.3	-18.5	-56.1	-40.6	0.1		
1.25	12.7	461.2	458.8	457.0	4.8	4.8	4.4	-18.3	-54.5	-39.8	0.1		
1.50	12.5	464.3	462.0	460.2	4.9	4.9	4.4	-18.2	-52.7	-38.7	0.1		
1.75	12.4	467.5	465.1	463.4	5.0	5.0	4.5	-18.4	-51.6	-37.9	0.1		
2.00	12.3	470.5	468.2	466.5	5.1	5.0	4.6	-18.7	-52.0	-37.5	0.1		
2.25	12.3	473.6	471.3	469.5	5.1	5.0	4.6	-18.8	-51.4	-37.4	0.1		
2.50	12.4	476.7	474.4	472.6	5.1	5.0	4.6	-19.1	-50.5	-37.0	0.1		
2.75	12.5	479.8	477.5	475.7	5.1	5.0	4.7	-19.9	-49.4	-36.2	0.1		
3.00	12.6	482.9	480.6	478.8	5.1	5.0	4.7	-19.9	-47.9	-35.4	0.1		
3.25	12.8	486.1	483.8	482.0	5.1	5.0	4.7	-20.3	-46.6	-34.8	0.1		
3.50	13.0	489.3	487.0	485.2	5.1	5.0	4.7	-20.6	-45.5	-34.9	0.2		
3.75	13.3	492.6	490.2	488.5	5.0	5.0	4.6	-21.2	-44.6	-35.0	0.2		
4.00	13.5	495.9	493.5	491.8	5.0	4.9	4.6	-21.5	-43.9	-34.8	0.2		
4.25	13.7	499.2	496.9	495.2	4.9	4.8	4.5	-21.4	-43.1	-34.3	0.2		
4.50	14.0	502.6	500.3	498.6	4.8	4.7	4.5	-22.1	-41.8	-33.7	0.2		
4.75	14.2	506.1	503.8	502.2	4.6	4.6	4.4	-22.5	-40.7	-33.7	0.2		
5.00	14.4	509.6	507.4	505.7	4.5	4.5	4.3	-22.9	-39.4	-34.1	0.2		
5.25	14.6	513.2	511.0	509.4	4.3	4.3	4.1	-23.2	-38.7	-34.4	0.2		
5.50	14.8	516.8	514.7	513.0	4.1	4.2	4.0	-23.6	-37.8	-34.5	0.3		
5.75	15.0	520.5	518.4	516.8	3.9	4.0	3.8	-24.0	-37.1	-34.3	0.3		
6.00	15.1	524.2	522.1	520.5	3.7	3.8	3.7	-24.2	-36.3	-34.2	0.3		
6.25	15.2	527.9	525.9	524.3	3.5	3.6	3.5	-24.0	-35.3	-34.1	0.3		
6.50	15.3	531.7	529.7	528.2	3.3	3.4	3.3	-24.6	-34.5	-34.3	0.3		
6.75	15.4	535.5	533.5	532.0	3.1	3.2	3.1	-24.7	-33.8	-34.8	0.3		
7.00	15.4	539.4	537.4	535.9	2.9	3.0	2.9	-24.5	-33.2	-35.3	0.3		

Notes

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