

Voltage Controlled Oscillator

ROS-480+

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	19.0	312.2	310.6	309.8	8.6	7.8	7.0	-15.2	-42.0	-47.9	0.1	1	-89
0.5	17.9	322.0	320.1	319.0	9.0	8.9	8.6	-14.1	-37.0	-42.6	0.4	10	-116
1.0	17.3	330.5	329.0	328.2	9.2	9.2	8.9	-14.5	-34.4	-41.8	0.8	100	-138
1.5	15.2	338.8	337.7	336.7	9.0	9.2	9.0	-15.0	-34.3	-40.9	0.8	1000	-158
2.0	14.0	346.8	345.3	344.2	8.7	9.2	9.0	-15.4	-34.7	-40.3	0.6		
2.5	13.2	354.1	352.3	351.2	8.5	9.2	9.1	-16.2	-35.1	-40.0	0.5		
3.0	12.7	360.8	358.9	357.7	8.4	9.3	9.1	-17.1	-34.7	-39.4	0.4		
3.5	12.3	367.3	365.2	364.0	8.5	9.3	9.2	-17.6	-34.6	-39.3	0.4		
4.0	12.1	373.6	371.4	370.1	8.7	9.4	9.2	-17.9	-34.7	-39.7	0.3		
4.5	11.9	379.7	377.4	376.1	9.0	9.5	9.2	-18.0	-34.5	-39.9	0.3		
5.0	11.8	385.8	383.4	382.1	9.3	9.5	9.3	-18.3	-34.3	-39.9	0.3		
5.5	11.8	391.8	389.3	388.0	9.5	9.6	9.3	-18.8	-34.1	-40.3	0.3		
6.0	11.7	397.7	395.2	393.9	9.6	9.6	9.3	-19.5	-34.0	-40.7	0.4		
6.5	11.6	403.5	401.0	399.7	9.6	9.5	9.3	-20.2	-33.8	-41.1	0.4		
7.0	11.5	409.3	406.8	405.5	9.6	9.5	9.3	-20.8	-33.6	-40.6	0.4		
7.5	11.4	415.0	412.6	411.2	9.5	9.5	9.3	-21.2	-33.5	-40.0	0.4		
8.0	11.3	420.7	418.3	416.9	9.3	9.4	9.2	-21.4	-33.7	-39.1	0.4		
8.5	11.1	426.3	423.9	422.5	9.2	9.4	9.2	-21.7	-33.9	-38.1	0.4		
9.0	10.9	431.8	429.5	428.0	9.2	9.3	9.2	-22.2	-33.9	-37.5	0.4		
9.5	10.6	437.1	434.9	433.4	9.2	9.3	9.2	-22.6	-34.1	-37.3	0.5		
10.0	10.4	442.4	440.2	438.7	9.3	9.3	9.2	-23.0	-34.1	-36.4	0.5		
10.5	10.1	447.5	445.4	443.9	9.3	9.3	9.2	-23.3	-34.5	-35.3	0.5		
11.0	9.8	452.5	450.4	448.9	9.4	9.2	9.2	-23.5	-34.5	-34.8	0.5		
11.5	9.5	457.5	455.3	453.7	9.3	9.2	9.1	-23.6	-34.8	-34.9	0.5		
12.0	9.1	462.3	460.1	458.4	9.2	9.2	9.1	-23.7	-35.0	-34.7	0.5		
12.5	8.8	467.0	464.6	463.0	9.0	9.1	9.1	-23.9	-35.5	-34.1	0.5		
13.0	8.5	471.5	469.0	467.3	8.7	9.1	9.0	-24.0	-35.8	-33.7	0.5		
13.5	8.1	475.9	473.3	471.5	8.5	9.0	8.9	-24.1	-35.9	-33.6	0.5		
14.0	7.8	480.1	477.3	475.5	8.2	8.9	8.9	-24.2	-36.1	-33.5	0.5		
14.5	7.4	484.1	481.2	479.4	8.0	8.9	8.8	-24.3	-36.3	-33.3	0.4		
15.0	7.1	487.9	484.9	483.0	7.8	8.8	8.7	-24.3	-36.3	-33.2	0.4		
15.5	6.7	491.6	488.5	486.5	7.6	8.7	8.6	-24.2	-36.5	-33.1	0.4		
16.0	6.4	495.1	491.8	489.8	7.6	8.6	8.4	-24.1	-36.7	-33.4	0.4		
16.5	6.0	498.4	495.0	493.0	7.5	8.5	8.3	-23.9	-36.7	-33.6	0.3		
17.0	5.7	501.5	498.0	496.0	7.5	8.4	8.1	-23.8	-36.6	-33.6	0.3		
17.5	5.4	504.5	500.9	499.0	7.6	8.3	8.0	-23.5	-36.3	-33.6	0.2		
18.0	5.4	507.3	503.6	501.8	7.6	8.1	7.8	-23.4	-35.9	-33.5	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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