

Voltage Controlled Oscillator

ROS-780R+

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	19.5	677.8	675.0	672.4	9.3	9.1	8.7	-18.6	-34.5	-32.8	0.6	1 10 100 1000	-87 -112 -133 -154
0.50	15.6	687.2	684.7	682.6	9.6	9.4	9.0	-18.6	-34.3	-31.2	0.4		
1.00	13.9	695.0	692.5	690.4	9.7	9.5	9.1	-18.6	-33.7	-30.7	0.3		
1.50	13.2	702.0	699.5	697.3	9.8	9.6	9.2	-18.7	-33.2	-30.7	0.2		
2.00	13.0	708.6	706.1	703.9	9.9	9.7	9.3	-18.9	-33.1	-30.4	0.2		
2.50	13.0	715.2	712.6	710.4	10.0	9.8	9.4	-19.2	-33.4	-29.8	0.2		
3.00	13.1	721.7	719.1	716.9	10.1	9.9	9.4	-19.4	-33.7	-29.6	0.1		
3.50	13.2	728.3	725.6	723.4	10.2	9.9	9.5	-19.1	-33.5	-30.1	0.2		
4.00	13.3	734.9	732.3	730.0	10.3	10.0	9.6	-19.3	-33.3	-29.8	0.2		
4.50	13.3	741.6	738.9	736.7	10.3	10.1	9.7	-19.8	-33.5	-29.7	0.3		
5.00	13.3	748.2	745.6	743.4	10.4	10.1	9.7	-20.1	-33.0	-29.7	0.3		
5.50	13.1	754.7	752.2	750.1	10.4	10.1	9.7	-20.1	-31.8	-29.2	0.4		
6.00	12.8	761.2	758.7	756.7	10.5	10.2	9.8	-20.1	-31.3	-29.4	0.5		
6.50	12.5	767.6	765.2	763.2	10.5	10.2	9.8	-19.8	-31.1	-29.6	0.6		
7.00	12.2	773.8	771.4	769.5	10.5	10.2	9.8	-20.0	-30.2	-28.9	0.7		
7.50	11.8	779.8	777.5	775.6	10.6	10.2	9.8	-20.3	-29.4	-29.1	0.7		
8.00	11.4	785.7	783.4	781.6	10.6	10.2	9.8	-20.6	-29.8	-29.8	0.8		
8.50	11.0	791.5	789.2	787.3	10.6	10.2	9.8	-20.8	-30.5	-29.7	0.8		
9.00	10.6	797.0	794.7	792.9	10.5	10.2	9.8	-20.9	-30.8	-29.3	0.8		
9.50	10.1	802.3	800.0	798.1	10.5	10.2	9.8	-21.1	-30.6	-29.5	0.8		
10.00	9.6	807.3	805.0	803.2	10.5	10.1	9.7	-21.0	-30.6	-30.4	0.8		
10.50	9.0	812.1	809.8	808.0	10.4	10.1	9.7	-21.3	-30.8	-30.7	0.8		
11.00	8.4	816.6	814.3	812.5	10.4	10.0	9.6	-21.8	-31.1	-30.3	0.8		
11.50	7.8	820.9	818.5	816.7	10.3	10.0	9.6	-21.9	-31.0	-30.3	0.8		
12.00	7.3	824.8	822.4	820.6	10.3	10.0	9.5	-21.9	-30.9	-30.7	0.7		
12.50	6.7	828.5	826.0	824.2	10.3	9.9	9.5	-21.8	-30.8	-31.1	0.7		
13.00	6.1	831.8	829.4	827.5	10.2	9.9	9.5	-21.8	-30.7	-31.0	0.7		
13.50	5.6	834.9	832.4	830.5	10.2	9.8	9.4	-21.7	-30.7	-30.7	0.7		
14.00	5.6	837.7	835.2	833.3	10.2	9.8	9.4	-21.7	-30.7	-30.5	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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