

# Voltage Controlled Oscillator

# ROS-785-419+

## 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)
		-40°C	+25°C	+85°C	-40°C	+25°C	+85°C	F2	F3	F4			
0.00	20.5	740.4	735.4	732.2	3.8	4.0	2.9	-33.0	-46.8	-48.5	1.2	1	-90
0.25	17.1	745.3	740.5	737.6	3.8	4.0	2.8	-33.0	-47.2	-48.1	0.8	10	-115
0.50	15.3	749.6	744.8	742.0	3.8	3.9	2.7	-33.8	-47.2	-48.4	0.6	100	-136
0.75	14.0	753.4	748.6	745.9	3.8	3.9	2.7	-34.1	-47.3	-48.4	0.6	1000	-156
1.00	13.1	756.9	752.1	749.5	3.8	3.8	2.6	-34.2	-46.8	-48.6	0.5		
1.25	12.5	760.1	755.4	752.9	3.8	3.8	2.5	-34.3	-46.9	-47.9	0.5		
1.50	11.9	763.2	758.5	756.0	3.8	3.7	2.5	-34.5	-46.9	-48.4	0.5		
1.75	11.5	766.2	761.5	759.1	3.7	3.7	2.4	-34.5	-46.9	-48.3	0.5		
2.00	11.2	769.1	764.4	762.0	3.7	3.6	2.4	-34.6	-47.4	-48.3	0.5		
2.25	10.9	771.9	767.2	764.8	3.7	3.5	2.3	-34.5	-47.5	-48.7	0.5		
2.50	10.7	774.6	769.9	767.6	3.6	3.4	2.2	-34.7	-47.5	-48.4	0.5		
2.75	10.5	777.2	772.6	770.3	3.6	3.3	2.2	-35.2	-47.4	-48.3	0.6		
3.00	10.4	779.8	775.2	772.9	3.6	3.3	2.1	-35.4	-47.0	-47.6	0.6		
3.25	10.3	782.4	777.8	775.5	3.5	3.2	2.0	-35.2	-47.4	-47.6	0.6		
3.50	10.2	784.9	780.4	778.0	3.4	3.0	1.9	-35.5	-46.7	-48.1	0.6		
3.75	10.1	787.3	782.9	780.6	3.4	2.9	1.9	-36.0	-46.7	-48.0	0.6		
4.00	10.0	789.7	785.4	783.1	3.3	2.8	1.8	-36.2	-47.0	-48.2	0.6		
4.25	10.0	792.1	787.9	785.5	3.2	2.7	1.7	-36.4	-47.3	-48.4	0.6		
4.50	9.9	794.5	790.4	788.0	3.2	2.6	1.6	-36.5	-47.7	-48.2	0.6		
4.75	9.9	796.9	792.9	790.5	3.1	2.5	1.5	-36.6	-47.9	-47.6	0.6		
5.00	9.9	799.2	795.4	792.9	3.0	2.4	1.4	-36.5	-48.1	-47.6	0.6		
5.25	9.9	801.6	797.8	795.3	2.9	2.2	1.3	-36.6	-48.2	-47.6	0.6		
5.50	9.9	803.9	800.3	797.8	2.7	2.1	1.3	-37.0	-48.1	-47.7	0.6		
5.75	9.9	806.3	802.8	800.2	2.6	2.0	1.2	-37.0	-48.0	-47.5	0.6		
6.00	9.9	808.8	805.3	802.7	2.4	1.9	1.1	-37.2	-47.5	-47.6	0.6		
6.25	10.0	811.2	807.7	805.1	2.3	1.8	1.0	-37.4	-47.4	-48.0	0.6		
6.50	10.0	813.7	810.2	807.6	2.1	1.7	0.9	-37.5	-47.3	-47.9	0.5		
6.75	10.1	816.3	812.7	810.0	2.0	1.6	0.8	-37.5	-47.3	-47.5	0.5		
7.00	10.1	818.8	815.3	812.5	1.8	1.5	0.7	-37.7	-47.8	-47.5	0.5		

**Notes**

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