

# Voltage Controlled Oscillator

# ROS-ED8381/2

## 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			
0.5	18.26	626.4	622.4	619.0	-0.31	0.16	0.16	-14.9	-37.0	-32.4	0.63	1	-85
0.8	16.33	630.3	626.5	623.2	-0.22	0.28	0.28	-15.4	-36.9	-32.0	0.60	10	-108
1.0	14.94	633.9	630.3	627.1	-0.14	0.38	0.34	-15.9	-36.7	-32.5	0.59	100	-128
1.3	14.05	637.4	633.8	630.6	-0.08	0.47	0.45	-16.5	-36.6	-32.4	0.58	1000	-148
1.5	13.28	640.6	637.1	634.0	-0.01	0.54	0.54	-16.8	-36.1	-32.6	0.57		
1.8	12.70	643.8	640.3	637.2	0.04	0.61	0.61	-17.2	-36.2	-32.6	0.57		
2.0	12.29	646.8	643.3	640.3	0.12	0.67	0.69	-17.5	-36.4	-32.6	0.56		
2.3	11.87	649.8	646.3	643.2	0.16	0.76	0.75	-17.8	-35.9	-32.5	0.56		
2.5	11.71	652.7	649.2	646.2	0.19	0.80	0.84	-18.1	-35.3	-32.5	0.56		
2.8	11.42	655.5	652.1	649.0	0.26	0.88	0.88	-18.4	-35.5	-32.5	0.56		
3.0	11.30	658.3	654.9	651.8	0.28	0.91	0.97	-18.7	-35.5	-32.4	0.57		
3.3	11.16	661.1	657.7	654.6	0.33	0.93	1.00	-19.0	-35.0	-32.5	0.57		
3.5	11.03	663.9	660.5	657.4	0.35	1.00	1.08	-19.2	-34.9	-32.5	0.58		
3.8	10.97	666.6	663.2	660.1	0.38	1.02	1.10	-19.4	-34.8	-32.5	0.59		
4.0	10.94	669.4	665.9	662.8	0.40	1.07	1.13	-19.7	-34.3	-32.7	0.60		
4.3	10.93	672.1	668.7	665.6	0.40	1.09	1.18	-20.1	-34.9	-32.7	0.61		
4.5	10.94	674.9	671.4	668.3	0.38	1.10	1.21	-20.2	-34.0	-32.9	0.63		
4.8	10.96	677.7	674.2	671.0	0.35	1.11	1.23	-20.5	-34.0	-32.3	0.64		
5.0	11.10	680.6	676.9	673.8	0.23	1.07	1.26	-20.7	-34.1	-32.4	0.65		