

# Voltage Controlled Oscillator

# MOS-810-119+

## 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	29.13	708.6	706.7	705.1	3.09	2.26	0.46	-31.1	-31.5	-47.8	0.88	1	-82
0.3	27.46	715.9	714.0	712.4	3.13	2.37	0.76	-29.7	-30.1	-45.9	0.91	10	-110
0.5	26.77	722.9	720.9	719.2	3.14	2.39	0.90	-29.8	-29.5	-44.3	0.71	100	-132
0.8	27.14	731.1	728.9	727.1	3.17	2.40	1.02	-30.7	-29.2	-42.5	0.54	1000	-152
1.0	27.79	736.6	734.3	732.4	3.19	2.41	1.08	-31.4	-28.9	-41.1	0.44		
1.3	28.94	743.6	741.2	739.2	3.21	2.40	1.15	-32.0	-28.5	-39.4	0.34		
1.5	30.17	750.8	748.5	746.4	3.23	2.37	1.17	-32.0	-28.2	-38.1	0.28		
1.8	31.32	758.3	756.0	753.9	3.26	2.34	1.18	-30.8	-27.9	-36.1	0.29		
2.0	32.26	765.9	763.9	761.8	3.27	2.30	1.18	-29.0	-28.0	-34.6	0.39		
2.3	32.89	773.5	771.9	770.0	3.26	2.24	1.14	-27.5	-27.8	-33.3	0.58		
2.5	33.14	781.3	780.1	778.5	3.24	2.19	1.11	-26.0	-28.0	-32.7	0.86		
2.8	32.98	789.1	788.4	787.1	3.21	2.16	1.09	-25.0	-28.7	-31.3	1.22		
3.0	32.43	796.8	796.7	795.7	3.17	2.12	1.08	-24.4	-29.7	-31.0	1.65		
3.3	31.53	804.4	804.8	804.3	3.13	2.11	1.08	-24.0	-30.7	-30.4	2.12		
3.5	30.25	811.9	812.7	812.6	3.09	2.10	1.09	-24.2	-31.6	-30.5	2.60		
3.8	28.80	819.2	820.2	820.5	3.05	2.10	1.12	-24.8	-32.9	-30.0	3.07		
4.0	27.28	826.3	827.4	828.1	3.01	2.11	1.16	-25.5	-33.7	-30.5	3.51		
4.3	25.67	833.0	834.2	835.1	2.96	2.11	1.20	-26.7	-33.9	-30.7	3.90		
4.5	23.99	839.4	840.7	841.6	2.91	2.12	1.25	-28.1	-33.3	-30.5	4.21		
4.8	21.95	846.6	847.8	848.7	2.87	2.13	1.31	-30.5	-32.6	-31.1	4.46		
5.0	20.59	851.2	852.2	853.1	2.83	2.13	1.34	-32.5	-32.0	-31.4	4.55		
5.3	19.03	856.5	857.4	858.2	2.77	2.11	1.36	-35.9	-31.6	-32.0	4.58		
5.5	17.54	861.4	862.1	862.8	2.72	2.09	1.39	-41.6	-31.1	-32.7	4.54		
5.8	16.16	865.9	866.5	867.0	2.65	2.05	1.39	-54.9	-30.5	-33.2	4.41		
6.0	14.86	870.1	870.6	870.8	2.59	2.01	1.38	-42.1	-30.0	-33.7	4.20		

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