

# Voltage Controlled Oscillator

# SOS-810+

## 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	54.71	735.6	729.3	723.0	2.48	4.26	5.01	-24.96	-32.26	-41.41	1.09	1	-75.8
0.20	51.14	745.9	740.2	734.4	1.98	3.89	4.77	-27.61	-30.99	-39.88	0.96	10	-97.4
0.40	49.69	755.8	750.5	745.0	1.45	3.51	4.46	-30.43	-30.31	-37.91	0.81	100	-117.1
0.60	48.54	765.7	760.4	754.9	1.12	3.17	4.19	-33.90	-30.43	-35.47	0.83	1000	-136.9
0.80	49.55	775.6	770.1	764.5	1.03	2.93	3.92	-35.85	-30.18	-33.92	0.63		
1.00	53.59	785.9	780.0	774.3	0.96	2.70	3.72	-35.00	-29.95	-32.37	0.43		
1.20	57.40	797.1	790.7	784.8	1.04	2.58	3.46	-31.56	-30.23	-31.77	0.79		
1.40	59.53	808.8	802.2	796.0	1.15	2.58	3.31	-29.76	-30.41	-32.00	0.43		
1.60	62.35	820.9	814.1	807.8	1.31	2.65	3.24	-29.40	-31.15	-32.93	0.11		
1.80	64.43	833.7	826.6	820.0	1.40	2.67	3.20	-29.81	-31.99	-34.36	0.08		
2.00	67.59	847.1	839.5	832.7	1.36	2.66	3.13	-30.98	-32.33	-35.23	0.15		
2.20	69.59	861.1	853.0	845.8	1.16	2.59	3.04	-32.57	-32.71	-37.29	0.29		
2.40	71.83	875.5	866.9	859.4	1.08	2.49	2.92	-33.62	-32.57	-37.35	0.52		
2.60	73.16	890.2	881.3	873.3	0.95	2.32	2.74	-35.51	-32.11	-36.65	0.90		
2.80	71.81	905.1	895.9	887.5	0.64	2.04	2.50	-36.85	-31.67	-35.86	1.32		
3.00	69.24	919.6	910.3	901.8	0.34	1.74	2.19	-38.11	-30.65	-35.03	1.51		
3.20	65.03	933.1	924.1	915.8	0.02	1.42	1.85	-39.59	-30.57	-34.13	1.37		
3.40	62.51	945.7	937.1	929.2	-0.28	1.08	1.52	-41.12	-30.26	-32.40	0.63		
3.60	63.47	957.6	949.6	942.0	-0.70	0.71	1.17	-42.54	-29.81	-32.49	0.55		
3.80	63.77	970.3	962.3	954.6	-1.14	0.28	0.81	-45.51	-29.54	-31.53	0.86		
4.00	63.77	983.5	975.1	966.9	-1.59	-0.15	0.42	-47.74	-29.90	-31.72	0.55		

