

# Voltage Controlled Oscillator

# SOS-800PV-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			
0.00	24.88	760.5	755.5	752.1	0.24	0.11	-0.20	-14.2	-47.5	-38.4	0.79	1	-87.81
0.25	20.88	766.3	761.7	758.7	0.17	0.03	-0.28	-14.3	-48.5	-38.3	0.58	10	-112.10
0.50	18.42	771.2	766.9	764.2	0.12	-0.04	-0.34	-14.3	-48.9	-38.1	0.47	100	-132.57
0.75	16.73	775.6	771.5	768.9	0.07	-0.09	-0.39	-14.3	-49.1	-37.9	0.41	1000	-152.77
1.00	15.48	779.7	775.7	773.2	0.03	-0.13	-0.43	-14.4	-50.4	-38.0	0.36		
1.25	14.52	783.4	779.6	777.1	-0.01	-0.17	-0.47	-14.4	-50.3	-37.9	0.33		
1.50	13.73	787.0	783.2	780.8	-0.05	-0.21	-0.50	-14.4	-50.7	-37.9	0.31		
1.75	13.09	790.3	786.7	784.3	-0.08	-0.24	-0.53	-14.4	-50.8	-38.0	0.29		
2.00	12.55	793.6	789.9	787.6	-0.11	-0.27	-0.56	-14.4	-51.7	-38.1	0.28		
2.25	12.09	796.6	793.1	790.8	-0.14	-0.29	-0.58	-14.5	-52.3	-38.3	0.26		
2.50	11.71	799.6	796.1	793.8	-0.17	-0.32	-0.60	-14.5	-53.1	-38.3	0.25		
2.75	11.39	802.5	799.0	796.8	-0.20	-0.34	-0.62	-14.6	-53.5	-38.2	0.25		
3.00	11.11	805.4	801.9	799.6	-0.23	-0.37	-0.64	-14.6	-54.5	-38.5	0.24		
3.25	10.88	808.1	804.6	802.4	-0.26	-0.40	-0.67	-14.8	-56.1	-38.4	0.23		
3.50	10.68	810.8	807.4	805.2	-0.29	-0.43	-0.69	-14.7	-56.6	-38.9	0.23		
3.75	10.50	813.5	810.0	807.8	-0.32	-0.45	-0.71	-14.8	-57.0	-39.4	0.22		
4.00	10.34	816.1	812.6	810.5	-0.35	-0.48	-0.73	-14.8	-59.6	-39.3	0.22		
4.25	10.21	818.7	815.2	813.0	-0.37	-0.50	-0.75	-14.8	-61.4	-39.6	0.21		
4.50	10.09	821.2	817.8	815.6	-0.40	-0.52	-0.77	-14.8	-62.8	-39.6	0.21		
4.75	9.99	823.8	820.3	818.1	-0.42	-0.54	-0.79	-14.9	-63.8	-39.9	0.21		
5.00	9.90	826.3	822.8	820.6	-0.44	-0.56	-0.81	-14.8	-62.9	-39.8	0.20		
5.25	9.81	828.7	825.3	823.1	-0.47	-0.58	-0.82	-14.8	-62.5	-40.3	0.20		
5.50	9.73	831.2	827.7	825.5	-0.49	-0.60	-0.84	-14.8	-60.3	-40.5	0.20		
5.75	9.67	833.6	830.2	828.0	-0.52	-0.61	-0.85	-14.8	-57.9	-40.8	0.20		
6.00	9.61	836.1	832.6	830.4	-0.54	-0.63	-0.87	-14.8	-56.8	-41.1	0.20		
6.25	9.55	838.5	835.0	832.8	-0.57	-0.65	-0.88	-14.9	-55.4	-40.7	0.20		
6.50	9.50	840.9	837.4	835.2	-0.60	-0.67	-0.90	-14.9	-54.4	-41.3	0.20		
6.75	9.44	843.2	839.8	837.5	-0.63	-0.70	-0.92	-14.9	-52.5	-41.0	0.20		
7.00	9.44	845.6	842.1	839.9	-0.66	-0.72	-0.94	-15.1	-51.8	-41.0	0.20		

