

Voltage Controlled Oscillator

SOS-704PV-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	23.83	664.6	658.9	655.4	-0.20	-0.09	-0.37	-13.0	-48.0	-53.8	0.75	1	-88.62
0.25	20.29	670.1	664.9	661.9	-0.20	-0.10	-0.38	-13.1	-47.9	-53.3	0.51	10	-112.84
0.50	18.13	675.0	669.9	667.2	-0.21	-0.11	-0.40	-13.1	-47.9	-52.3	0.38	100	-133.03
0.75	16.64	679.4	674.5	671.9	-0.21	-0.12	-0.40	-13.1	-47.9	-52.1	0.31	1000	-151.02
1.00	15.55	683.4	678.6	676.2	-0.22	-0.13	-0.41	-13.1	-47.6	-49.2	0.26		
1.25	14.72	687.3	682.5	680.1	-0.23	-0.14	-0.42	-13.2	-47.4	-49.2	0.23		
1.50	14.08	690.9	686.2	683.9	-0.24	-0.16	-0.44	-13.2	-46.5	-49.3	0.20		
1.75	13.55	694.4	689.7	687.5	-0.25	-0.17	-0.45	-13.2	-46.5	-48.2	0.18		
2.00	13.12	697.8	693.1	690.9	-0.27	-0.19	-0.46	-13.1	-46.6	-47.6	0.16		
2.25	12.76	701.0	696.4	694.2	-0.29	-0.21	-0.48	-13.1	-45.5	-47.4	0.14		
2.50	12.47	704.2	699.6	697.4	-0.31	-0.23	-0.50	-13.1	-45.8	-46.7	0.13		
2.75	12.22	707.3	702.7	700.6	-0.33	-0.25	-0.52	-13.1	-45.6	-45.4	0.12		
3.00	12.02	710.4	705.7	703.6	-0.35	-0.28	-0.54	-13.1	-46.2	-45.4	0.11		
3.25	11.85	713.4	708.7	706.7	-0.38	-0.30	-0.56	-13.2	-46.2	-45.2	0.10		
3.50	11.70	716.3	711.7	709.6	-0.40	-0.33	-0.58	-13.3	-45.2	-44.5	0.10		
3.75	11.58	719.3	714.6	712.6	-0.43	-0.35	-0.61	-13.3	-45.8	-44.2	0.09		
4.00	11.49	722.2	717.5	715.5	-0.46	-0.38	-0.63	-13.3	-45.3	-44.0	0.09		
4.25	11.41	725.1	720.4	718.3	-0.49	-0.41	-0.66	-13.4	-44.5	-43.8	0.08		
4.50	11.35	727.9	723.2	721.2	-0.51	-0.43	-0.68	-13.4	-45.2	-43.0	0.08		
4.75	11.30	730.8	726.1	724.0	-0.53	-0.46	-0.71	-13.4	-45.6	-43.1	0.07		
5.00	11.27	733.6	728.9	726.9	-0.55	-0.48	-0.73	-13.3	-45.3	-42.4	0.07		
5.25	11.24	736.5	731.7	729.7	-0.58	-0.51	-0.76	-13.3	-44.5	-42.7	0.07		
5.50	11.23	739.3	734.5	732.5	-0.60	-0.53	-0.78	-13.2	-45.0	-42.4	0.06		
5.75	11.22	742.1	737.3	735.3	-0.63	-0.56	-0.80	-13.2	-44.9	-42.4	0.06		
6.00	11.22	744.9	740.1	738.1	-0.65	-0.59	-0.83	-13.2	-45.1	-41.3	0.06		
6.25	11.23	747.8	743.0	740.9	-0.68	-0.61	-0.85	-13.2	-45.7	-41.7	0.06		
6.50	11.23	750.6	745.8	743.7	-0.70	-0.64	-0.88	-13.3	-45.2	-40.5	0.06		
6.75	11.23	753.4	748.6	746.5	-0.71	-0.66	-0.90	-13.3	-44.7	-40.7	0.06		
7.00	11.23	756.2	751.4	749.3	-0.73	-0.68	-0.92	-13.4	-45.1	-40.9	0.07		