

Voltage Controlled Oscillator

SOS-915-119+

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	129.21	709.8	681.3	665.3	5.03	5.41	5.30	-30.9	-17.9	-47.9	6.90	1	-67
0.25	116.48	740.8	713.6	699.4	5.25	5.53	5.35	-30.0	-17.4	-46.7	7.18	10	-92
0.50	110.20	769.0	742.7	730.2	5.33	5.61	5.36	-30.6	-17.0	-46.7	7.27	100	-118
0.75	105.57	795.9	770.2	758.9	5.39	5.56	5.27	-30.2	-16.9	-47.0	7.16	1000	-138
1.00	101.99	821.5	796.6	786.6	5.45	5.53	5.11	-30.7	-16.9	-47.0	6.83		
1.25	100.94	846.3	822.1	813.2	5.53	5.53	4.98	-29.9	-16.5	-47.7	6.54		
1.50	103.14	871.3	847.4	839.3	5.44	5.51	4.86	-29.3	-17.0	-48.3	6.21		
1.75	103.69	896.6	873.2	865.5	5.30	5.41	4.70	-31.3	-17.8	-49.0	5.54		
2.00	102.65	921.9	899.1	891.8	5.23	5.23	4.45	-30.6	-18.2	-48.8	4.99		
2.25	102.50	947.2	924.7	917.9	5.19	5.15	4.25	-30.8	-19.5	-49.4	4.73		
2.50	102.59	972.6	950.4	943.9	5.10	5.07	4.06	-30.9	-19.6	-50.8	4.73		
2.75	100.57	997.8	976.0	970.1	5.01	4.98	3.80	-30.2	-20.5	-52.2	4.90		
3.00	97.50	1022.4	1001.2	995.9	4.98	4.86	3.62	-29.5	-20.9	-53.7	5.19		
3.25	95.33	1046.5	1025.5	1020.8	4.94	4.82	3.58	-29.5	-21.9	-55.4	5.68		
3.50	92.12	1069.9	1049.4	1045.3	4.86	4.78	3.52	-28.6	-22.9	-58.0	6.22		
3.75	87.50	1092.4	1072.4	1068.8	4.78	4.71	3.53	-28.0	-23.8	-61.9	6.75		
4.00	83.23	1113.6	1094.3	1090.9	4.68	4.64	3.57	-26.1	-26.7	-64.5	7.19		
4.25	80.89	1133.6	1115.1	1112.1	4.57	4.47	3.50	-25.6	-30.0	-66.1	7.66		
4.50	77.27	1153.0	1135.3	1132.6	4.49	4.34	3.37	-25.2	-32.8	-62.0	7.86		
4.75	71.23	1171.6	1154.6	1151.7	4.42	4.26	3.32	-25.7	-36.7	-57.0	7.77		
5.00	66.65	1189.1	1172.4	1169.6	4.37	4.18	3.24	-25.9	-37.7	-52.8	7.63		
5.25	62.55	1205.7	1189.1	1186.5	4.31	4.11	3.18	-26.1	-36.2	-50.7	7.57		
5.50	58.72	1220.9	1204.7	1202.4	4.27	4.08	3.12	-26.1	-34.9	-50.9	7.49		
5.75	54.95	1235.0	1219.4	1216.9	4.21	4.00	3.12	-26.5	-34.3	-50.7	7.36		
6.00	50.67	1248.4	1233.1	1230.3	4.13	3.93	3.11	-26.3	-32.5	-49.7	7.15		
6.25	47.35	1260.9	1245.8	1242.8	4.07	3.88	3.07	-26.0	-30.8	-47.8	6.96		
6.50	44.68	1272.7	1257.6	1254.7	4.00	3.84	3.01	-26.0	-30.6	-45.3	6.89		
6.75	41.95	1283.7	1268.8	1265.9	3.93	3.77	2.93	-26.2	-29.1	-44.3	6.78		
7.00	41.95	1293.8	1279.3	1276.3	3.85	3.68	2.86	-26.0	-28.9	-43.6	6.65		

