

Voltage Controlled Oscillator

SOS-1225-119+

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	53.81	1146.8	1135.4	1126.4	-0.29	-0.48	-0.34	-13.8	-39.6	-42.0	0.52	1	-79
0.25	49.26	1159.8	1148.9	1140.5	-0.31	-0.47	-0.32	-14.6	-40.1	-43.6	0.62	10	-105
0.50	46.25	1171.8	1161.2	1153.1	-0.27	-0.48	-0.30	-15.4	-40.8	-45.9	0.66	100	-125
0.75	44.37	1183.2	1172.8	1164.9	-0.22	-0.43	-0.29	-15.9	-41.0	-46.8	0.65	1000	-145
1.00	43.09	1194.3	1183.9	1176.0	-0.19	-0.37	-0.24	-16.5	-41.2	-48.3	0.65		
1.25	42.13	1205.0	1194.6	1186.8	-0.16	-0.33	-0.18	-16.5	-41.2	-49.8	0.63		
1.50	41.39	1215.6	1205.2	1197.3	-0.12	-0.29	-0.14	-17.7	-40.8	-50.0	0.62		
1.75	40.85	1226.0	1215.5	1207.6	-0.07	-0.25	-0.10	-17.7	-41.0	-48.9	0.60		
2.00	40.48	1236.4	1225.7	1217.8	0.01	-0.21	-0.06	-18.5	-41.1	-47.1	0.61		
2.25	40.29	1246.7	1235.8	1227.7	0.10	-0.11	0.00	-19.3	-41.1	-45.9	0.63		
2.50	40.10	1257.0	1245.9	1237.7	0.18	-0.02	0.08	-19.7	-40.4	-45.0	0.68		
2.80	39.80	1269.2	1257.9	1249.5	0.26	0.08	0.17	-20.5	-40.3	-44.9	0.76		
3.00	39.52	1277.4	1265.9	1257.4	0.30	0.13	0.22	-20.7	-39.9	-44.4	0.83		
3.25	39.07	1287.4	1275.8	1267.2	0.34	0.18	0.25	-20.7	-39.9	-44.2	0.92		
3.50	38.45	1297.4	1285.6	1276.9	0.39	0.19	0.24	-21.2	-38.9	-44.6	1.04		
3.75	37.79	1307.3	1295.2	1286.5	0.44	0.20	0.19	-21.6	-38.5	-44.3	1.14		
4.00	37.35	1317.0	1304.6	1296.2	0.50	0.20	0.10	-22.0	-38.4	-45.3	1.15		
4.25	37.75	1326.5	1314.0	1306.0	0.55	0.16	-0.03	-22.0	-38.5	-45.6	0.79		
4.50	39.63	1335.8	1323.4	1316.0	0.55	0.06	-0.21	-22.9	-38.0	-46.7	0.38		
4.75	42.07	1344.8	1333.3	1326.4	0.43	-0.14	-0.41	-23.4	-37.6	-48.4	2.00		
5.00	42.07	1354.3	1343.8	1337.0	0.14	-0.42	-0.62	-24.0	-37.2	-50.7	3.02		