

Voltage Controlled Oscillator

MOS-1400-119+

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			
0.0	25.86	1358.2	1352.8	1346.9	-8.47	-7.60	-7.28	-17.5	-22.8	-32.6	1.25	1	-81
0.2	24.62	1363.3	1358.0	1352.3	-8.48	-7.63	-7.32	-17.4	-22.8	-32.4	1.27	10	-105
0.4	24.10	1368.1	1362.9	1357.3	-8.48	-7.64	-7.36	-17.4	-22.6	-31.9	1.28	100	-125
0.6	24.06	1372.9	1367.8	1362.1	-8.47	-7.65	-7.39	-17.6	-22.3	-31.9	1.30	1000	-145
0.8	24.47	1377.8	1372.6	1366.9	-8.45	-7.65	-7.40	-17.7	-21.9	-32.2	1.33		
1.0	25.15	1382.7	1377.5	1371.8	-8.43	-7.65	-7.41	-17.7	-21.8	-32.1	1.36		
1.2	26.07	1387.8	1382.5	1376.7	-8.41	-7.63	-7.41	-17.8	-22.0	-31.5	1.41		
1.4	27.29	1393.1	1387.7	1381.9	-8.40	-7.62	-7.40	-17.9	-22.2	-31.4	1.46		
1.6	28.80	1398.7	1393.2	1387.2	-8.42	-7.61	-7.39	-18.0	-22.3	-31.6	1.53		
1.8	30.54	1404.6	1398.9	1392.8	-8.43	-7.62	-7.38	-17.8	-22.0	-31.4	1.62		
2.0	32.48	1410.9	1405.0	1398.8	-8.48	-7.64	-7.39	-18.4	-21.4	-30.9	1.72		
2.2	34.47	1417.6	1411.5	1405.1	-8.56	-7.68	-7.40	-18.7	-21.0	-30.6	1.83		
2.4	36.11	1424.7	1418.4	1411.8	-8.67	-7.77	-7.45	-18.8	-21.1	-30.5	1.93		
2.6	37.50	1432.2	1425.6	1418.8	-8.75	-7.87	-7.53	-19.1	-21.1	-30.3	1.99		
2.8	38.43	1439.9	1433.1	1426.1	-8.85	-7.95	-7.62	-19.5	-20.3	-29.9	1.99		
3.0	39.00	1447.8	1440.8	1433.6	-8.95	-8.04	-7.70	-19.9	-19.5	-29.9	1.94		
3.2	39.00	1455.8	1448.6	1441.2	-9.02	-8.12	-7.78	-20.2	-19.4	-30.4	1.87		
3.4	38.01	1463.8	1456.4	1448.9	-9.10	-8.19	-7.85	-20.5	-19.7	-29.9	1.71		
3.6	36.41	1471.5	1464.0	1456.4	-9.17	-8.26	-7.91	-20.9	-19.3	-29.9	1.45		
3.8	34.33	1478.9	1471.3	1463.6	-9.23	-8.30	-7.97	-21.0	-18.8	-30.7	1.13		
4.0	31.79	1485.8	1478.2	1470.4	-9.29	-8.35	-8.01	-21.7	-18.7	-31.0	0.77		
4.2	29.03	1492.2	1484.5	1476.8	-9.33	-8.41	-8.05	-21.8	-18.8	-30.6	0.41		
4.4	26.18	1498.1	1490.3	1482.7	-9.36	-8.45	-8.11	-21.6	-19.2	-31.1	0.10		
4.6	23.43	1503.3	1495.6	1488.0	-9.42	-8.48	-8.16	-21.4	-19.4	-32.2	0.11		
4.8	20.82	1507.9	1500.3	1492.7	-9.48	-8.53	-8.21	-21.1	-19.3	-33.1	0.20		
5.0	20.82	1511.9	1504.4	1497.0	-9.54	-8.59	-8.26	-21.1	-19.3	-33.3	0.19		