

Voltage Controlled Oscillator

SOS-1505-119+

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	77.03	1360.7	1355.9	1345.7	0.04	0.66	1.18	-34.4	-21.6	-43.1	2.87	1	-68
0.1	74.86	1368.2	1363.6	1353.5	0.12	0.72	1.32	-34.8	-21.6	-42.2	1.60	10	-94
0.2	73.47	1375.8	1371.1	1361.0	0.18	0.86	1.50	-35.5	-22.0	-41.6	0.69	100	-116
0.3	71.55	1383.2	1378.4	1368.3	0.35	1.07	1.69	-36.3	-22.8	-41.6	0.07	1000	-136
0.4	70.51	1390.5	1385.6	1375.3	0.57	1.36	1.88	-37.1	-24.0	-42.4	0.32		
0.5	69.55	1397.7	1392.6	1382.3	0.85	1.65	2.09	-37.7	-24.9	-42.9	0.58		
0.6	68.69	1404.8	1399.6	1389.2	1.20	1.93	2.28	-37.9	-25.8	-43.2	0.80		
0.7	68.65	1411.8	1406.4	1396.0	1.55	2.22	2.44	-38.1	-27.0	-44.3	0.97		
0.8	68.66	1418.8	1413.3	1402.7	1.89	2.49	2.59	-38.2	-27.7	-44.8	1.06		
0.9	68.65	1425.8	1420.2	1409.4	2.21	2.73	2.73	-38.3	-27.8	-44.7	1.07		
1.0	68.87	1432.9	1427.0	1416.0	2.53	2.95	2.84	-38.1	-27.9	-45.2	0.99		
1.1	69.29	1440.0	1433.9	1422.7	2.81	3.16	2.93	-37.9	-28.3	-45.7	0.81		
1.2	69.54	1447.1	1440.9	1429.5	3.06	3.32	3.02	-37.6	-28.7	-46.0	0.60		
1.3	69.93	1454.3	1447.8	1436.2	3.29	3.43	3.07	-37.4	-29.1	-45.9	0.35		
1.4	70.71	1461.6	1454.8	1443.0	3.47	3.51	3.08	-37.2	-29.6	-46.1	0.07		
1.5	71.28	1468.9	1461.9	1449.8	3.63	3.55	3.05	-37.1	-29.6	-46.5	0.22		
1.6	71.76	1476.2	1469.0	1456.7	3.74	3.58	3.00	-36.7	-29.8	-47.0	0.51		
1.7	72.53	1483.7	1476.2	1463.7	3.79	3.58	2.94	-36.2	-30.3	-47.4	0.82		
1.8	73.37	1491.2	1483.4	1470.7	3.82	3.53	2.87	-35.8	-30.6	-47.2	1.13		
1.9	73.62	1498.7	1490.8	1477.8	3.84	3.48	2.78	-35.7	-30.9	-47.6	1.44		
2.0	74.05	1506.2	1498.1	1485.0	3.79	3.42	2.66	-35.4	-31.3	-47.0	1.74		
2.1	74.21	1513.7	1505.5	1492.3	3.73	3.33	2.55	-35.2	-31.9	-46.7	2.05		
2.2	74.55	1521.3	1513.0	1499.6	3.65	3.22	2.45	-35.2	-32.5	-46.9	2.35		
2.3	74.97	1528.9	1520.4	1507.0	3.56	3.11	2.31	-34.9	-32.9	-47.4	2.71		
2.4	74.23	1536.4	1527.9	1514.3	3.44	2.99	2.18	-34.6	-32.7	-47.7	3.00		
2.5	73.68	1543.9	1535.3	1521.7	3.28	2.85	2.05	-34.2	-32.5	-47.2	3.28		
2.6	73.99	1551.4	1542.7	1529.0	3.11	2.69	1.92	-33.8	-32.7	-47.7	3.58		
2.7	73.60	1558.9	1550.1	1536.3	2.96	2.51	1.77	-33.5	-32.7	-47.5	3.83		
2.8	72.69	1566.2	1557.5	1543.5	2.83	2.37	1.60	-33.3	-32.9	-47.6	4.07		
2.9	71.29	1573.5	1564.7	1550.7	2.69	2.23	1.42	-33.5	-32.9	-47.5	4.26		
3.0	69.98	1580.7	1571.9	1557.8	2.60	2.10	1.27	-33.8	-32.8	-48.1	4.49		

