

Voltage Controlled Oscillator

SOS-1400-219+

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	48.03	1327.8	1321.3	1313.6	0.44	2.80	3.79	-33.4	-34.7	-48.3	3.14	1	-74
0.2	46.93	1337.0	1330.9	1323.7	0.75	3.03	3.90	-34.0	-35.5	-50.3	2.69	10	-98
0.5	47.80	1351.1	1345.0	1338.5	1.07	3.31	4.02	-35.1	-36.2	-53.9	2.43	100	-119
0.8	49.92	1363.1	1357.0	1350.7	1.23	3.41	4.05	-36.0	-36.1	-54.8	2.57	1000	-139
1.0	51.70	1375.7	1369.4	1363.0	1.31	3.44	4.02	-36.1	-35.7	-54.7	2.93		
1.3	53.87	1388.8	1382.4	1375.8	1.44	3.44	3.94	-36.8	-35.5	-54.5	3.16		
1.5	56.61	1402.5	1395.8	1389.0	1.60	3.48	3.87	-37.8	-36.0	-55.4	3.27		
1.8	59.31	1417.0	1410.0	1402.7	1.67	3.48	3.81	-37.6	-36.4	-56.9	3.43		
2.0	60.91	1432.2	1424.8	1417.2	1.76	3.46	3.69	-38.0	-36.8	-58.0	3.47		
2.3	61.43	1447.7	1440.0	1432.1	1.79	3.43	3.60	-38.4	-37.1	-57.7	3.39		
2.5	59.60	1463.1	1455.4	1447.2	1.66	3.34	3.49	-38.1	-37.4	-57.3	3.30		
2.8	55.82	1480.7	1473.1	1464.9	1.39	3.13	3.23	-38.0	-38.0	-58.4	3.41		
3.0	52.69	1491.9	1484.5	1476.3	1.12	2.93	3.06	-37.7	-38.2	-59.2	3.64		
3.3	47.23	1504.5	1497.6	1489.7	0.74	2.62	2.79	-38.1	-38.3	-60.5	3.95		
3.5	41.99	1515.8	1509.4	1502.0	0.35	2.32	2.53	-37.9	-38.9	-59.5	3.69		
3.8	38.40	1526.1	1519.9	1513.3	-0.08	1.97	2.29	-38.9	-39.6	-60.1	2.18		
4.0	34.80	1535.6	1529.5	1523.7	-0.49	1.61	2.01	-39.0	-40.1	-60.0	-0.09		
4.3	30.44	1544.3	1538.2	1532.9	-0.83	1.27	1.75	-39.5	-40.7	-60.4	-1.77		
4.5	24.62	1551.7	1545.8	1540.7	-1.09	0.96	1.51	-39.7	-41.3	-60.3	-2.04		
4.8	19.08	1557.4	1552.0	1547.1	-1.22	0.76	1.29	-40.3	-41.7	-59.1	-1.51		
5.0	19.08	1561.7	1556.8	1552.1	-1.30	0.66	1.16	-40.7	-41.8	-59.5	-0.80		

