

Voltage Controlled Oscillator

POS-2000A+

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			
1.0	60.22	1315.8	1298.7	1282.4	12.68	12.63	11.97	-19.5	-26.7	-36.2	2.92	1	-73
2.0	45.61	1360.3	1344.3	1329.1	12.83	12.43	11.39	-20.7	-27.8	-36.3	3.02	10	-97
3.0	40.69	1400.1	1385.0	1370.5	12.91	12.72	11.73	-21.3	-28.3	-35.5	2.97	100	-117
4.0	38.28	1438.1	1423.3	1409.2	12.52	12.43	11.39	-21.8	-28.8	-35.0	2.91	1000	-137
5.0	37.88	1475.7	1461.1	1447.4	12.15	12.08	11.28	-22.3	-30.0	-34.3	2.86		
6.0	38.21	1513.5	1499.4	1485.9	11.89	11.71	10.78	-23.3	-31.2	-34.2	2.69		
7.0	38.97	1552.2	1538.3	1525.3	12.09	11.86	10.80	-24.8	-33.3	-35.3	2.50		
8.0	40.98	1593.0	1579.3	1566.4	11.92	11.78	10.88	-26.3	-34.8	-38.7	2.29		
9.0	44.58	1639.5	1623.9	1610.3	11.61	11.43	10.62	-26.3	-33.0	-38.0	2.22		
10.0	46.93	1686.9	1670.8	1657.0	11.39	10.92	10.05	-27.2	-32.8	-37.0	2.14		
11.0	48.90	1735.0	1719.7	1705.8	11.57	11.18	10.00	-27.8	-34.2	-37.7	2.10		
12.0	49.42	1784.4	1769.1	1755.3	11.55	11.02	10.16	-29.5	-34.2	-36.8	2.08		
13.0	48.15	1831.9	1817.3	1803.7	10.84	10.61	9.70	-31.7	-33.8	-35.5	2.08		
14.0	45.61	1877.1	1862.9	1849.5	10.86	10.64	9.49	-33.8	-33.0	-34.7	2.19		
15.0	42.30	1919.1	1905.2	1892.0	10.89	10.67	9.51	-35.5	-32.5	-35.0	2.30		
16.0	38.45	1957.5	1943.6	1930.6	10.97	10.88	9.80	-35.8	-31.5	-36.2	2.41		
17.0	35.00	1992.5	1978.6	1965.6	10.42	10.40	9.58	-33.8	-30.8	-37.0	2.49		
18.0	31.99	2024.6	2010.6	1997.5	10.26	10.14	9.19	-32.8	-30.5	-38.7	2.56		
19.0	29.29	2054.2	2039.9	2026.7	10.12	10.11	9.13	-32.2	-30.7	-41.2	2.55		
20.0	27.14	2081.2	2067.1	2053.7	10.36	10.07	9.07	-31.3	-31.2	-44.5	2.56		

REV. X1

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