

Voltage Controlled Oscillator

POS-1400A+

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	25.17	913.5	896.1	875.4	12.67	12.65	11.87	-14.9	-18.3	-30.6	1.79	1	-65
2.0	21.10	934.5	917.2	897.4	12.82	12.76	11.99	-15.2	-18.5	-31.0	1.56	10	-95
3.0	20.48	955.5	937.7	918.5	13.05	12.84	12.03	-15.6	-19.0	-31.2	1.51	100	-115
4.0	21.46	977.0	959.2	940.4	13.09	12.90	12.09	-15.7	-19.0	-30.8	1.52	1000	-135
5.0	23.09	1000.5	982.2	964.0	13.23	12.84	12.12	-16.2	-19.5	-30.0	1.55		
6.0	25.51	1025.7	1007.8	989.9	13.37	12.92	12.05	-16.4	-19.9	-29.5	1.55		
7.0	28.23	1053.6	1036.0	1018.5	13.32	12.95	12.08	-16.8	-19.0	-28.7	1.65		
8.0	31.18	1084.5	1067.2	1050.1	13.46	12.91	12.02	-17.1	-18.3	-27.7	1.69		
9.0	34.57	1119.0	1101.7	1085.0	13.39	13.02	12.05	-17.6	-18.0	-27.2	1.66		
10.0	37.18	1156.6	1138.9	1122.5	13.60	13.04	11.94	-17.5	-17.3	-31.2	1.39		
11.0	37.83	1194.5	1176.7	1161.4	13.68	13.14	11.95	-18.0	-16.9	-27.8	1.18		
12.0	38.10	1231.2	1214.8	1201.4	13.65	13.14	11.87	-18.1	-17.5	-29.0	1.30		
13.0	36.98	1267.5	1251.8	1240.3	13.64	13.01	11.69	-18.5	-17.8	-30.8	1.60		
14.0	35.82	1302.4	1287.6	1276.8	13.48	12.88	11.66	-18.7	-18.2	-33.0	1.95		
15.0	33.57	1335.1	1321.2	1310.8	13.44	12.71	11.45	-18.7	-18.6	-35.0	2.13		
16.0	30.63	1365.1	1351.8	1341.8	13.38	12.64	11.43	-18.8	-19.0	-37.5	2.29		
17.0	28.42	1393.1	1380.3	1370.3	13.37	12.56	11.32	-18.7	-19.4	-38.5	2.44		
18.0	26.47	1419.1	1406.7	1396.9	13.30	12.46	11.24	-18.9	-19.8	-39.9	2.53		
19.0	24.37	1443.1	1431.1	1421.0	13.26	12.37	11.18	-18.7	-20.1	-40.2	2.57		
20.0	22.61	1465.5	1453.7	1444.3	13.24	12.35	11.11	-18.5	-20.3	-40.2	2.59		

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