

Voltage Controlled Oscillator

POS-300+

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	15.00	138.6	136.0	135.7	8.84	8.81	8.37	-24.6	-46.3	-46.3	0.37	1	-78
2.0	13.00	150.6	148.7	147.2	9.31	9.63	9.34	-29.7	-42.6	-47.0	0.21	10	-100
3.0	10.00	161.1	159.1	157.4	9.51	9.82	9.70	-35.4	-42.1	-46.6	0.19	100	-120
4.0	10.00	171.7	169.2	167.5	9.43	9.96	9.93	-38.0	-42.0	-47.5	0.10	1000	-140
5.0	11.00	182.3	180.1	178.0	9.38	9.99	9.99	-44.2	-41.9	-49.0	0.16		
6.0	11.00	193.3	190.7	188.7	9.42	10.00	9.85	-41.2	-40.3	-49.0	0.03		
7.0	12.00	204.8	202.5	200.3	9.15	9.79	9.80	-40.1	-42.6	-46.9	0.25		
8.0	11.00	216.4	213.8	211.5	9.10	9.78	9.88	-36.8	-43.2	-49.8	0.12		
9.0	12.00	228.0	225.5	223.5	9.08	9.79	9.91	-34.1	-43.3	-52.5	0.34		
10.0	12.00	240.0	237.4	234.9	9.06	9.79	9.88	-31.8	-43.0	-51.4	0.25		
11.0	11.00	250.3	247.8	245.4	8.97	9.62	9.58	-30.2	-43.1	-55.4	0.03		
12.0	12.00	262.0	259.3	256.9	8.38	9.18	9.31	-30.2	-49.5	-52.4	0.29		
13.0	12.00	274.0	271.1	268.5	8.14	8.91	9.09	-28.9	-53.2	-47.7	0.20		
14.0	12.00	285.3	282.6	279.9	7.93	8.69	8.83	-27.9	-50.1	-45.6	0.08		
15.0	12.00	296.5	294.2	291.7	7.75	8.50	8.62	-27.0	-48.0	-47.2	0.20		
16.0	13.00	310.4	307.4	304.7	7.44	8.22	8.35	-26.7	-48.4	-48.9	0.45		

REV. X1
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