

Voltage Controlled Oscillator

POS-500W+

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	27.16	231.0	228.6	227.4	8.47	8.53	7.43	-22.8	-41.2	-48.0	0.13	1	-79
2.0	20.57	252.1	249.1	247.0	8.97	9.18	8.26	-24.0	-40.8	-49.8	0.00	10	-100
3.0	17.91	270.6	267.0	264.4	9.46	9.56	8.71	-23.8	-41.3	-53.0	0.08	100	-120
4.0	17.09	288.3	284.1	282.0	10.13	10.13	9.12	-23.3	-41.5	-53.0	0.09	1000	-140
5.0	18.18	305.7	302.3	300.4	10.48	10.35	9.65	-23.3	-43.2	-50.7	0.15		
6.0	20.10	325.7	322.4	319.8	10.62	10.59	10.08	-24.5	-45.8	-48.5	0.04		
7.0	21.10	347.5	343.5	340.2	10.64	10.88	10.45	-26.0	-49.5	-46.3	0.09		
8.0	21.75	369.9	365.3	361.5	10.71	10.94	10.67	-27.5	-53.5	-43.5	0.20		
9.0	22.09	392.3	387.3	383.6	10.89	11.13	10.73	-29.0	-53.8	-41.7	0.24		
10.0	21.91	414.0	409.2	406.0	10.57	11.03	10.71	-30.2	-48.3	-41.2	0.14		
11.0	22.20	435.2	431.4	428.5	10.53	10.97	10.58	-30.7	-46.2	-40.5	0.15		
12.0	22.41	457.3	453.9	450.6	10.70	11.03	10.62	-30.3	-45.3	-40.2	0.23		
13.0	21.81	479.4	475.7	472.0	11.01	11.28	10.84	-29.5	-45.2	-39.2	0.20		
14.0	20.92	500.7	496.6	492.5	11.00	11.26	10.92	-28.7	-44.0	-37.7	0.16		
15.0	19.96	520.9	516.5	512.0	11.04	11.31	10.82	-27.8	-43.7	-35.8	0.12		
16.0	19.04	540.2	535.6	530.7	10.99	11.29	10.95	-27.0	-42.3	-34.7	0.10		

REV. X1
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