

Voltage Controlled Oscillator

POS-800W+

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	63.79	371.5	363.9	357.5	8.44	8.43	6.97	-22.9	-40.7	-46.9	0.22	1	-71
2.0	48.79	420.0	412.7	405.5	9.11	9.07	7.66	-25.3	-41.7	-44.8	0.02	10	-93
3.0	44.06	464.3	456.7	448.3	9.10	9.10	7.58	-27.1	-45.8	-41.6	0.10	100	-115
4.0	40.96	505.5	497.7	487.6	8.91	9.00	7.16	-28.4	-51.6	-39.3	0.15	1000	-137
5.0	37.01	542.8	534.7	524.3	8.14	8.35	6.43	-28.7	-47.4	-38.7	0.25		
6.0	33.58	576.2	568.3	560.1	7.53	7.85	6.37	-27.9	-43.7	-39.2	0.09		
7.0	32.11	608.0	600.4	592.7	7.23	7.74	6.56	-27.1	-40.7	-39.1	0.23		
8.0	30.00	638.2	630.4	622.5	7.46	7.99	6.90	-27.4	-38.4	-41.9	0.34		
9.0	27.97	666.4	658.4	650.3	7.71	8.31	7.30	-27.6	-36.8	-45.5	0.46		
10.0	26.46	693.0	684.8	676.6	7.89	8.47	7.56	-27.7	-35.2	-50.0	0.57		
11.0	25.11	718.1	709.9	701.6	8.02	8.70	7.86	-28.4	-34.0	-52.8	0.62		
12.0	23.87	741.9	733.8	725.2	8.01	8.79	8.14	-29.2	-33.1	-51.2	0.57		
13.0	22.63	764.4	756.4	747.6	7.86	8.80	8.28	-29.8	-31.9	-48.0	0.43		
14.0	21.29	785.5	777.7	768.8	7.76	8.75	8.26	-31.3	-31.0	-45.8	0.24		
15.0	19.88	805.3	797.6	788.6	7.70	8.73	8.32	-33.1	-30.8	-44.2	0.02		
16.0	18.53	823.7	816.1	807.1	7.48	8.63	8.33	-35.4	-30.8	-43.4	0.21		
17.0	17.30	840.9	833.4	824.4	7.30	8.43	8.14	-37.9	-31.3	-42.6	0.46		
18.0	16.29	857.2	849.7	840.5	7.11	8.21	7.96	-40.8	-30.6	-42.6	0.73		

REV. X1
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