

Voltage Controlled Oscillator

POS-400+

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	19.50	181.6	184.9	178.1	9.43	9.27	8.47	-27.2	-37.1	-42.9	0.62	1	-76
2.0	16.70	189.7	201.6	193.4	9.57	9.71	9.06	-30.1	-39.5	-43.3	0.28	10	-98
3.0	14.10	211.3	215.7	207.0	9.77	10.08	9.49	-28.7	-40.5	-43.8	0.28	100	-120
4.0	14.10	225.0	229.8	220.2	10.10	10.39	9.75	-27.5	-39.4	-49.1	0.10	1000	-140
5.0	13.80	238.7	243.6	233.2	10.17	10.38	9.91	-27.0	-40.7	-44.4	0.20		
6.0	15.30	252.5	258.9	247.4	9.84	10.25	10.03	-28.5	-44.9	-41.8	0.17		
7.0	15.10	267.8	274.0	261.8	9.68	10.24	10.14	-28.9	-47.8	-43.3	0.02		
8.0	15.40	282.1	289.4	276.5	9.43	10.11	10.09	-29.3	-59.5	-42.7	0.41		
9.0	16.80	298.4	306.2	292.6	9.44	10.17	10.12	-29.3	-49.0	-39.5	0.32		
10.0	15.90	314.7	322.1	308.1	9.63	10.21	9.89	-28.0	-43.5	-39.1	0.18		
11.0	14.00	329.7	336.1	322.3	9.27	9.67	9.42	-27.7	-45.1	-39.9	0.10		
12.0	15.20	342.4	351.3	336.4	8.43	8.94	8.91	-29.4	-47.2	-41.8	0.62		
13.0	15.90	358.3	367.2	351.5	7.99	8.54	8.63	-30.9	-46.6	-43.9	0.53		
14.0	14.80	373.4	382.0	365.9	7.61	8.35	8.53	-31.5	-44.6	-45.9	0.42		
15.0	13.30	387.0	395.3	378.9	7.46	8.23	8.43	-31.2	-44.4	-45.5	0.30		
16.0	11.30	398.8	406.7	390.4	7.29	8.10	8.31	-29.9	-44.1	-44.0	0.20		

REV. X1
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