

Voltage Controlled Oscillator

POS-1000W+

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	68.30	461.8	452.4	445.1	5.65	5.37	4.44	-24.3	-37.4	-41.9	0.10	1	-73
2.0	48.90	510.6	501.3	493.6	6.66	6.68	5.80	-26.3	-36.5	-43.2	0.02	10	-93
3.0	43.40	553.7	544.6	535.9	6.97	7.40	6.84	-26.3	-36.3	-45.5	0.18	100	-113
4.0	41.00	595.6	585.6	575.7	7.21	7.41	7.18	-25.6	-36.9	-39.2	0.35	1000	-133
5.0	38.60	634.3	624.2	613.9	7.84	8.20	7.79	-26.6	-39.9	-42.4	0.76		
6.0	36.80	671.2	661.0	651.2	8.39	8.88	8.59	-33.8	-38.6	-42.1	0.91		
7.0	38.00	709.1	699.0	689.4	9.25	9.72	9.19	-37.3	-39.8	-43.1	1.00		
8.0	39.80	749.4	738.7	729.1	8.82	9.23	9.44	-31.4	-41.1	-47.4	1.14		
9.0	40.70	790.6	779.5	769.7	8.40	8.96	8.56	-28.8	-41.3	-50.1	1.23		
10.0	40.10	830.7	819.6	809.9	8.25	8.54	8.49	-27.5	-42.2	-54.2	1.18		
11.0	39.00	868.4	858.6	849.6	8.22	8.40	8.07	-26.7	-38.0	-50.4	1.05		
12.0	43.00	912.2	901.6	891.9	7.31	7.93	7.71	-26.9	-40.2	-44.2	1.32		
13.0	47.80	960.6	949.4	939.3	6.56	6.93	6.65	-25.4	-42.2	-42.4	1.34		
14.0	41.60	999.9	990.9	982.0	5.99	6.24	6.19	-25.2	-41.4	-42.0	1.24		
15.0	39.30	1037.7	1030.2	1021.6	5.96	6.09	5.71	-24.2	-41.7	-43.4	1.24		
16.0	36.90	1074.4	1067.1	1058.2	5.32	5.60	5.45	-24.2	-42.0	-44.2	1.36		
17.0	33.30	1108.7	1100.4	1091.1	4.49	4.74	4.64	-23.9	-46.1	-43.9	1.51		
18.0	29.40	1139.4	1129.7	1120.1	3.67	3.97	3.96	-24.4	-36.8	-44.6	1.67		
19.0	25.50	1165.8	1155.2	1145.4	3.05	3.52	3.24	-23.7	-31.8	-44.0	1.82		
20.0	22.00	1188.5	1177.3	1167.4	2.87	2.90	2.73	-23.4	-30.4	-39.4	1.95		

REV. X1
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