

Voltage Controlled Oscillator

POS-765+

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	35.00	465.3	458.6	452.7	6.03	6.65	6.07	-30.2	-30.5	-32.0	0.88	1	-61
2.0	29.60	496.0	488.2	481.8	8.15	8.08	7.02	-38.7	-35.6	-35.1	0.21	10	-85
3.0	24.30	520.3	512.5	506.6	8.63	8.25	7.39	-36.8	-39.5	-35.6	0.29	100	-108
4.0	25.30	545.9	537.7	532.0	9.31	9.46	8.82	-34.4	-44.4	-37.8	0.54	1000	-129
5.0	24.30	570.8	562.1	556.1	9.66	9.98	9.64	-35.5	-41.4	-42.7	0.44		
6.0	23.80	594.8	585.9	579.4	9.80	10.21	9.82	-34.8	-36.3	-39.2	0.32		
7.0	22.70	617.7	608.5	601.5	9.91	10.25	9.69	-30.6	-34.4	-35.5	-0.02		
8.0	21.90	640.0	630.4	623.2	10.03	10.11	9.41	-28.0	-32.1	-33.7	-0.24		
9.0	21.70	662.0	652.1	644.6	9.92	9.71	9.06	-24.6	-31.2	-33.9	-0.27		
10.0	20.80	682.0	673.0	665.7	9.24	9.00	8.59	-22.5	-31.4	-36.6	-0.28		
11.0	21.90	702.2	694.8	688.4	7.96	8.39	8.31	-20.9	-30.8	-36.8	0.36		
12.0	25.50	728.5	720.4	712.7	7.62	8.13	8.09	-20.8	-30.7	-35.6	0.62		
13.0	23.00	752.5	743.4	734.8	7.54	8.09	7.76	-21.0	-31.0	-34.8	0.36		
14.0	19.80	772.6	763.2	754.7	7.54	7.90	7.41	-22.6	-32.6	-34.1	0.22		
15.0	17.20	789.4	780.4	772.2	7.12	7.42	7.10	-23.3	-34.4	-34.7	0.08		
16.0	15.50	804.7	796.0	787.9	6.53	7.07	6.81	-25.1	-34.4	-34.8	-0.01		

REV. X1
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