

Voltage Controlled Oscillator

ZX95-780+

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			
0.0	18.28	677.97	676.06	674.12	9.64	9.16	8.51	-18.86	-39.59	-36.70	0.44	1	-88
0.5	16.06	686.76	685.20	683.63	10.06	9.55	8.90	-19.07	-43.31	-34.47	0.49	10	-114
1.0	14.80	694.86	693.23	691.55	10.16	9.62	9.00	-19.41	-43.79	-33.87	0.37	100	-135
1.5	14.36	702.37	700.63	698.86	10.20	9.67	9.08	-19.61	-42.85	-33.83	0.29	1000	-155
2.0	14.24	709.59	707.81	706.00	10.25	9.73	9.17	-19.96	-42.16	-33.12	0.28		
2.5	14.17	716.78	714.93	713.06	10.27	9.77	9.24	-20.08	-41.72	-33.10	0.30		
3.0	13.85	723.75	722.02	720.24	10.34	9.84	9.30	-20.37	-41.27	-32.72	0.34		
3.5	13.66	730.60	728.94	727.23	10.39	9.91	9.39	-20.66	-40.48	-32.35	0.42		
4.0	13.45	737.35	735.78	734.16	10.44	9.98	9.47	-20.49	-39.49	-32.27	0.50		
4.5	13.11	743.97	742.50	740.99	10.48	10.04	9.54	-20.50	-38.36	-32.50	0.59		
5.0	12.97	750.45	749.06	747.65	10.49	10.06	9.57	-20.83	-37.76	-32.29	0.68		
5.5	12.48	756.89	755.55	754.18	10.49	10.07	9.58	-20.98	-37.14	-31.81	0.77		
6.0	12.08	763.04	761.79	760.57	10.47	10.06	9.57	-21.17	-36.71	-31.73	0.83		
6.5	11.77	769.03	767.82	766.66	10.44	10.03	9.55	-21.49	-36.24	-31.24	0.89		
7.0	11.34	774.87	773.71	772.57	10.41	10.00	9.52	-21.60	-35.60	-31.11	0.93		
7.5	10.97	780.54	779.38	778.26	10.40	9.99	9.52	-21.62	-35.30	-31.65	0.95		
8.0	10.57	786.03	784.86	783.74	10.40	9.98	9.51	-21.91	-35.32	-31.57	0.96		
8.5	10.19	791.35	790.14	789.01	10.36	9.94	9.47	-22.25	-35.73	-31.75	0.95		
9.0	9.91	796.49	795.24	794.07	10.33	9.91	9.45	-22.49	-36.16	-32.27	0.94		
9.5	9.49	801.52	800.19	798.96	10.29	9.87	9.41	-22.70	-36.42	-32.21	0.92		
10.0	9.08	806.28	804.94	803.71	10.23	9.81	9.35	-22.98	-36.45	-32.04	0.88		
10.5	8.81	810.88	809.48	808.22	10.18	9.75	9.30	-23.20	-36.28	-32.37	0.87		
11.0	8.51	815.34	813.88	812.59	10.13	9.69	9.24	-23.34	-36.18	-32.59	0.83		
11.5	8.23	819.64	818.13	816.81	10.08	9.63	9.18	-23.37	-36.20	-32.40	0.80		
12.0	7.93	823.79	822.25	820.89	10.03	9.57	9.11	-23.51	-36.17	-32.18	0.77		
12.5	7.64	827.79	826.21	824.83	9.98	9.51	9.04	-23.72	-36.33	-32.42	0.74		
13.0	7.35	831.65	830.03	828.62	9.93	9.45	8.99	-23.94	-36.74	-32.70	0.71		
13.5	7.10	835.37	833.70	832.26	9.89	9.40	8.93	-24.03	-36.83	-32.78	0.69		
14.0	7.10	838.97	837.26	835.78	9.87	9.38	8.91	-24.10	-36.79	-32.75	0.67		