

Voltage Controlled Oscillator

ZX95-386+

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			
0.00	12.45	243.9	243.3	243.4	7.96	7.73	7.29	-12.5	-33.8	-48.7	0.07	1	-91
0.01	12.43	244.0	243.5	243.5	7.97	7.74	7.30	-12.5	-33.8	-48.7	0.08	10	-118
0.10	12.22	245.1	244.6	244.6	8.03	7.80	7.37	-12.6	-33.5	-48.4	0.13	100	-139
1.50	9.45	260.9	260.2	259.9	8.41	8.25	7.95	-14.4	-32.0	-45.5	0.23	1000	-160
2.00	9.17	265.8	265.0	264.5	8.48	8.33	8.05	-15.0	-32.3	-44.7	0.20		
2.50	9.09	270.5	269.5	269.0	8.56	8.41	8.15	-15.7	-32.2	-44.3	0.19		
3.00	9.14	275.1	274.1	273.5	8.65	8.49	8.25	-16.5	-32.2	-43.5	0.17		
3.50	9.29	279.8	278.7	278.0	8.74	8.58	8.35	-17.1	-32.6	-42.6	0.16		
4.00	9.50	284.5	283.3	282.5	8.84	8.67	8.46	-17.3	-32.5	-42.2	0.15		
4.50	9.76	289.4	288.1	287.2	8.94	8.77	8.57	-17.7	-32.3	-41.6	0.14		
5.00	10.05	294.3	292.9	292.0	9.05	8.86	8.67	-18.5	-32.7	-41.1	0.15		
5.50	10.32	299.4	298.0	297.0	9.16	8.95	8.78	-19.3	-32.6	-40.5	0.15		
6.00	10.56	304.5	303.1	302.1	9.27	9.05	8.89	-19.7	-32.3	-40.1	0.17		
6.50	10.77	309.8	308.4	307.3	9.39	9.15	9.01	-20.0	-32.5	-39.6	0.19		
7.00	10.94	315.1	313.8	312.7	9.51	9.27	9.13	-20.8	-32.4	-39.4	0.21		
7.50	11.06	320.6	319.3	318.1	9.63	9.39	9.26	-21.5	-32.7	-39.3	0.23		
8.00	11.15	326.0	324.8	323.7	9.75	9.52	9.40	-21.8	-32.6	-39.2	0.26		
8.50	11.18	331.6	330.4	329.2	9.84	9.63	9.51	-22.1	-32.6	-39.0	0.29		
9.00	11.17	337.1	336.0	334.8	9.92	9.74	9.61	-22.8	-32.6	-39.0	0.32		
9.50	11.11	342.7	341.5	340.5	9.98	9.82	9.68	-23.2	-32.3	-39.0	0.35		
10.00	11.02	348.2	347.1	346.1	10.01	9.88	9.72	-23.4	-32.5	-39.0	0.38		
10.50	10.90	353.7	352.6	351.7	10.01	9.90	9.71	-23.6	-32.2	-39.2	0.43		
11.00	10.77	359.1	358.0	357.2	9.97	9.87	9.66	-23.9	-32.1	-39.0	0.50		
11.50	10.62	364.4	363.4	362.7	9.89	9.79	9.56	-24.1	-32.0	-38.6	0.59		
12.00	10.42	369.6	368.7	368.0	9.78	9.65	9.43	-24.3	-31.4	-37.6	0.68		
12.50	10.16	374.7	374.0	373.2	9.64	9.47	9.27	-24.7	-31.3	-37.0	0.73		
13.00	9.85	379.8	379.0	378.3	9.46	9.26	9.08	-24.9	-31.2	-36.0	0.77		
13.50	9.52	384.6	384.0	383.2	9.25	9.03	8.87	-24.8	-31.1	-35.5	0.79		
14.00	9.18	389.4	388.7	388.0	9.02	8.79	8.65	-24.5	-31.1	-34.8	0.80		
14.50	8.83	394.0	393.3	392.5	8.77	8.54	8.41	-24.6	-31.0	-34.6	0.80		
15.00	8.47	398.4	397.7	396.9	8.48	8.27	8.17	-24.7	-30.9	-34.0	0.80		
15.50	8.11	402.7	402.0	401.1	8.19	8.00	7.91	-24.5	-30.8	-33.6	0.80		
16.00	7.75	406.8	406.0	405.1	7.89	7.73	7.66	-24.2	-30.5	-33.3	0.79		
16.50	7.40	410.7	409.9	409.0	7.58	7.45	7.40	-23.9	-30.2	-32.9	0.77		
17.00	7.05	414.4	413.6	412.6	7.27	7.17	7.13	-24.0	-30.1	-32.5	0.75		
17.50	6.71	418.0	417.1	416.1	6.97	6.89	6.87	-23.9	-29.9	-32.1	0.73		
18.00	6.71	421.4	420.5	419.4	6.67	6.61	6.60	-23.8	-29.6	-32.0	0.70		