

Voltage Controlled Oscillator

ZX95-988+

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	46.10	904.1	896.7	890.4	-1.04	-0.39	-0.11	-28.30	-23.47	-44.97	1.65	1	-86
0.25	38.95	914.7	908.2	902.8	-0.84	-0.16	0.16	-26.23	-24.32	-43.45	1.10	10	-111
0.50	34.60	923.9	918.0	913.0	-0.69	0.00	0.33	-24.79	-24.60	-42.70	0.79	100	-132
0.75	31.66	932.2	926.6	922.0	-0.56	0.12	0.45	-23.95	-24.46	-41.52	0.59	1000	-152
1.00	29.52	939.9	934.5	930.1	-0.46	0.23	0.55	-23.43	-24.76	-41.49	0.44		
1.25	27.94	947.1	941.9	937.7	-0.36	0.32	0.64	-22.91	-25.24	-40.88	0.33		
1.50	26.71	953.9	948.9	944.8	-0.27	0.41	0.72	-22.25	-25.55	-40.79	0.24		
1.75	25.77	960.5	955.6	951.5	-0.20	0.48	0.79	-21.97	-25.78	-40.13	0.16		
2.00	25.05	966.9	962.0	958.0	-0.13	0.55	0.85	-21.75	-25.92	-40.33	0.10		
2.25	24.49	973.1	968.3	964.3	-0.07	0.61	0.91	-21.15	-26.40	-40.15	0.04		
2.50	24.04	979.2	974.4	970.5	-0.03	0.67	0.97	-20.71	-26.98	-40.17	0.01		
2.75	23.71	985.1	980.4	976.5	0.01	0.71	1.01	-20.43	-27.60	-39.88	0.07		
3.00	23.41	991.0	986.3	982.5	0.05	0.75	1.04	-20.09	-28.12	-40.52	0.13		
3.25	23.11	996.8	992.2	988.3	0.09	0.77	1.06	-20.04	-28.83	-41.26	0.20		
3.50	22.86	1002.6	998.0	994.1	0.12	0.77	1.05	-20.25	-29.22	-41.18	0.28		
3.75	22.63	1008.2	1003.7	999.9	0.08	0.74	1.03	-20.30	-29.50	-41.03	0.36		
4.00	22.46	1013.8	1009.3	1005.6	0.02	0.68	0.98	-20.15	-29.23	-40.51	0.43		
4.25	22.33	1019.4	1015.0	1011.2	-0.01	0.62	0.92	-20.06	-28.91	-40.65	0.49		
4.50	22.20	1024.9	1020.5	1016.8	-0.07	0.58	0.88	-20.01	-28.77	-40.88	0.56		
4.75	22.08	1030.5	1026.1	1022.4	-0.12	0.54	0.83	-19.84	-28.20	-40.35	0.62		
5.00	22.00	1036.0	1031.6	1027.9	-0.15	0.51	0.79	-19.76	-28.14	-39.82	0.69		
5.25	21.92	1041.5	1037.1	1033.4	-0.16	0.48	0.76	-19.97	-28.34	-39.92	0.75		
5.50	21.87	1046.9	1042.6	1038.9	-0.20	0.46	0.73	-20.14	-28.94	-40.85	0.81		
5.75	21.82	1052.4	1048.1	1044.4	-0.23	0.42	0.70	-20.16	-29.13	-41.25	0.87		
6.00	21.77	1057.8	1053.5	1049.9	-0.25	0.39	0.66	-20.20	-28.87	-40.55	0.93		
6.25	21.70	1063.2	1059.0	1055.3	-0.28	0.36	0.63	-20.23	-29.06	-40.40	0.98		
6.50	21.63	1068.6	1064.4	1060.8	-0.32	0.32	0.59	-20.03	-28.95	-40.89	1.01		
6.75	21.53	1074.0	1069.8	1066.2	-0.37	0.27	0.55	-19.77	-29.29	-41.18	1.04		
7.00	21.53	1079.4	1075.2	1071.6	-0.41	0.21	0.49	-19.70	-29.85	-41.37	1.04		