

Voltage Controlled Oscillator

ZX95-1062+

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	4.93	1030.26	1025.69	1021.38	0.89	0.33	-0.55	-23.83	-31.64	-27.41	0.04	1	-92
0.5	4.46	1032.66	1028.15	1023.92	0.90	0.34	-0.54	-23.79	-31.83	-26.83	0.03	10	-114
1.0	4.30	1034.87	1030.38	1026.16	0.91	0.35	-0.53	-23.80	-31.84	-26.58	0.03	100	-134
1.5	4.26	1037.02	1032.53	1028.30	0.92	0.36	-0.52	-23.62	-31.69	-26.60	0.03	1000	-154
2.0	4.28	1039.15	1034.66	1030.42	0.93	0.37	-0.51	-23.65	-31.66	-26.83	0.03		
2.5	4.31	1041.30	1036.80	1032.55	0.94	0.38	-0.51	-23.71	-31.44	-26.99	0.03		
3.0	4.34	1043.46	1038.95	1034.69	0.94	0.38	-0.50	-23.63	-31.19	-26.75	0.03		
3.5	4.36	1045.64	1041.12	1036.84	0.95	0.39	-0.49	-23.53	-30.92	-26.93	0.04		
4.0	4.37	1047.83	1043.30	1039.00	0.95	0.39	-0.49	-23.47	-31.23	-26.63	0.04		
4.5	4.36	1050.02	1045.48	1041.17	0.96	0.39	-0.49	-23.61	-31.32	-26.51	0.04		
5.0	4.36	1052.21	1047.67	1043.34	0.96	0.40	-0.48	-23.61	-31.33	-26.41	0.05		
5.5	4.34	1054.39	1049.84	1045.51	0.97	0.40	-0.48	-23.52	-31.38	-26.36	0.05		
6.0	4.33	1056.57	1052.02	1047.67	0.98	0.41	-0.48	-23.48	-31.55	-26.35	0.05		
6.5	4.31	1058.75	1054.18	1049.82	0.99	0.41	-0.48	-23.49	-31.48	-26.63	0.06		
7.0	4.29	1060.91	1056.33	1051.96	1.00	0.42	-0.47	-23.47	-31.52	-26.63	0.06		
7.5	4.27	1063.07	1058.48	1054.09	1.00	0.42	-0.47	-23.46	-31.48	-26.62	0.07		
8.0	4.25	1065.21	1060.61	1056.21	1.01	0.43	-0.46	-23.48	-31.58	-26.83	0.07		
8.5	4.21	1067.35	1062.74	1058.32	1.02	0.43	-0.46	-23.49	-31.34	-26.80	0.08		
9.0	4.17	1069.47	1064.84	1060.42	1.02	0.44	-0.45	-23.47	-31.24	-26.62	0.08		
9.5	4.12	1071.57	1066.93	1062.49	1.03	0.44	-0.45	-23.54	-30.99	-26.39	0.09		
10.0	4.06	1073.64	1068.99	1064.53	1.03	0.45	-0.45	-23.39	-30.91	-26.32	0.10		
10.5	3.98	1075.69	1071.02	1066.55	1.03	0.45	-0.44	-23.34	-30.63	-26.56	0.11		
11.0	3.90	1077.70	1073.01	1068.52	1.04	0.46	-0.44	-23.31	-30.66	-26.19	0.12		
11.5	3.80	1079.66	1074.96	1070.45	1.05	0.46	-0.44	-23.27	-30.68	-26.00	0.13		
12.0	3.69	1081.58	1076.86	1072.34	1.05	0.46	-0.43	-23.20	-30.59	-26.20	0.14		
12.5	3.58	1083.45	1078.70	1074.17	1.06	0.47	-0.43	-23.02	-30.34	-26.22	0.15		
13.0	3.46	1085.26	1080.49	1075.94	1.06	0.48	-0.43	-22.81	-30.49	-26.45	0.15		
13.5	3.34	1087.01	1082.23	1077.66	1.06	0.48	-0.42	-22.92	-30.24	-26.47	0.16		
14.0	3.22	1088.71	1083.90	1079.31	1.07	0.49	-0.42	-22.75	-30.20	-26.73	0.17		
14.5	3.10	1090.35	1085.51	1080.91	1.07	0.49	-0.41	-22.67	-29.93	-26.61	0.17		
15.0	2.98	1091.92	1087.06	1082.44	1.07	0.50	-0.41	-22.65	-29.88	-26.68	0.18		
15.5	2.86	1093.44	1088.55	1083.91	1.08	0.50	-0.40	-22.56	-29.92	-26.64	0.18		
16.0	2.86	1094.90	1089.98	1085.32	1.08	0.51	-0.40	-22.46	-29.89	-26.46	0.19		