

Voltage Controlled Oscillator

ZX95-1200W+

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	41.32	567.2	554.4	542.1	10.45	10.33	10.46	-28.6	-21.2	-34.1	0.47	1	-73
0.5	37.62	587.7	575.1	563.2	10.44	10.32	10.42	-28.2	-21.2	-35.8	0.54	10	-97
1.0	36.40	606.4	593.9	582.1	10.40	10.26	10.35	-26.0	-20.8	-38.7	0.57	100	-119
1.5	36.14	624.9	612.1	600.2	10.42	10.21	10.26	-25.2	-20.6	-41.4	0.61	1000	-139
2.0	35.38	642.7	630.2	618.3	10.42	10.16	10.20	-23.3	-20.6	-44.6	0.64		
2.5	35.41	660.2	647.9	636.2	10.37	10.12	10.18	-22.6	-20.4	-47.7	0.64		
3.0	36.93	678.2	665.6	654.0	10.34	10.16	10.14	-21.4	-20.9	-49.6	0.66		
3.5	38.23	696.9	684.0	672.2	10.34	10.18	10.06	-20.5	-20.8	-50.5	0.67		
4.0	39.74	716.1	703.1	691.4	10.34	10.08	10.00	-19.4	-21.0	-50.5	0.65		
4.5	42.46	736.6	723.0	711.1	10.36	10.00	9.96	-18.4	-20.9	-49.7	0.65		
5.0	43.89	758.1	744.2	731.8	10.40	9.97	9.90	-17.2	-21.3	-49.0	0.67		
5.5	45.81	780.4	766.2	753.7	10.41	9.98	9.87	-16.2	-21.7	-47.6	0.69		
6.0	47.66	803.6	789.1	776.2	10.41	9.96	9.82	-15.4	-23.2	-46.3	0.75		
6.5	48.29	827.6	812.9	799.8	10.38	9.87	9.77	-14.8	-25.0	-43.6	0.82		
7.0	48.96	851.9	837.1	824.0	10.35	9.86	9.73	-14.2	-27.7	-40.9	0.90		
7.5	49.13	876.2	861.5	848.5	10.36	9.89	9.65	-14.1	-30.7	-39.1	0.94		
8.0	50.34	901.5	886.1	873.1	10.37	9.79	9.62	-13.6	-33.5	-37.0	0.90		
8.5	50.19	927.2	911.3	897.7	10.31	9.73	9.54	-13.2	-35.3	-36.0	0.92		
9.0	48.59	952.0	936.4	922.8	10.33	9.70	9.43	-13.1	-35.5	-35.5	0.90		
9.5	47.37	976.2	960.7	947.3	10.26	9.58	9.37	-12.8	-34.1	-33.9	0.88		
10.0	46.81	999.9	984.4	971.1	10.14	9.45	9.29	-12.8	-33.3	-32.9	0.86		
10.5	45.55	1023.4	1007.8	994.4	10.08	9.40	9.18	-12.8	-33.2	-32.6	0.86		
11.0	43.30	1045.8	1030.5	1017.4	10.04	9.29	9.07	-12.5	-31.9	-31.9	0.82		
11.5	42.32	1067.5	1052.2	1039.4	9.92	9.20	9.02	-12.8	-31.1	-31.8	0.78		
12.0	40.45	1088.6	1073.3	1060.5	9.82	9.08	8.94	-12.6	-31.0	-31.8	0.75		
12.5	39.53	1108.4	1093.6	1081.2	9.76	9.02	8.82	-12.8	-30.0	-32.3	0.69		
13.0	39.77	1127.8	1113.3	1101.2	9.67	8.93	8.70	-12.8	-29.9	-33.8	0.69		
13.5	39.05	1147.6	1133.2	1121.1	9.54	8.80	8.56	-12.8	-30.5	-35.1	0.69		
14.0	38.34	1167.4	1152.7	1140.7	9.38	8.67	8.39	-12.9	-30.5	-34.8	0.69		
14.5	37.03	1186.5	1171.9	1159.8	9.28	8.54	8.25	-13.0	-30.1	-34.9	0.69		
15.0	35.68	1204.7	1190.4	1178.5	9.19	8.38	8.13	-13.2	-30.1	-35.2	0.68		
15.5	35.83	1222.7	1208.3	1196.5	9.00	8.28	8.03	-13.6	-30.0	-35.2	0.67		
16.0	36.04	1240.9	1226.2	1214.1	8.76	8.13	7.92	-13.9	-29.0	-34.7	0.70		
16.5	34.71	1258.7	1244.2	1231.9	8.57	7.93	7.76	-14.4	-28.5	-34.8	0.73		
17.0	33.63	1275.9	1261.6	1249.5	8.40	7.79	7.59	-15.0	-28.3	-35.1	0.70		
17.5	33.51	1292.9	1278.4	1266.4	8.21	7.69	7.52	-15.7	-27.9	-34.6	0.71		
18.0	33.51	1309.7	1295.1	1282.9	7.98	7.61	7.40	-16.5	-27.0	-34.4	0.75		

