

Voltage Controlled Oscillator

ZX95-1240+

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	17.07	1122.6	1113.4	1107.2	5.27	5.45	5.34	-23.7	-47.1	-46.3	0.38	1	-89
0.5	14.67	1130.7	1122.0	1116.2	5.28	5.45	5.35	-24.3	-46.5	-46.4	0.11	10	-114
1.0	13.75	1137.9	1129.3	1123.6	5.28	5.45	5.35	-24.7	-46.1	-46.8	0.01	100	-135
1.5	13.33	1144.7	1136.2	1130.6	5.28	5.44	5.34	-25.0	-45.8	-46.2	0.04	1000	-154
2.0	13.20	1151.3	1142.8	1137.3	5.29	5.43	5.33	-25.5	-45.6	-47.1	0.07		
2.5	13.10	1157.9	1149.5	1143.9	5.28	5.43	5.33	-25.9	-45.5	-47.6	0.09		
3.0	13.05	1164.4	1156.0	1150.4	5.29	5.41	5.33	-26.5	-45.4	-46.6	0.09		
3.5	13.01	1170.9	1162.5	1157.0	5.30	5.40	5.31	-26.9	-45.0	-47.0	0.09		
4.0	12.95	1177.3	1169.0	1163.5	5.30	5.40	5.30	-27.0	-44.9	-47.3	0.08		
4.5	12.89	1183.8	1175.5	1170.0	5.30	5.40	5.29	-27.3	-44.4	-47.6	0.07		
5.0	12.79	1190.2	1181.9	1176.5	5.30	5.38	5.29	-27.6	-44.6	-47.6	0.06		
5.5	12.69	1196.5	1188.3	1182.9	5.30	5.37	5.27	-28.0	-44.6	-47.4	0.05		
6.0	12.57	1202.9	1194.7	1189.3	5.31	5.36	5.27	-28.6	-44.1	-48.4	0.05		
6.5	12.46	1209.1	1201.0	1195.6	5.31	5.36	5.25	-29.1	-43.7	-48.4	0.04		
7.0	12.36	1215.3	1207.2	1201.8	5.31	5.35	5.25	-29.4	-43.7	-48.4	0.03		
7.5	12.22	1221.5	1213.4	1208.0	5.32	5.35	5.24	-29.8	-43.6	-48.4	0.02		
8.0	12.09	1227.5	1219.5	1214.1	5.32	5.34	5.23	-30.1	-43.5	-48.6	0.00		
8.5	11.94	1233.6	1225.5	1220.2	5.33	5.33	5.22	-30.2	-43.2	-49.5	0.02		
9.0	11.78	1239.5	1231.5	1226.2	5.33	5.33	5.22	-30.4	-42.7	-49.6	0.04		
9.5	11.60	1245.4	1237.4	1232.1	5.32	5.33	5.22	-30.7	-42.6	-49.4	0.08		
10.0	11.38	1251.2	1243.2	1237.9	5.30	5.31	5.21	-31.0	-42.5	-49.8	0.12		
10.5	11.11	1256.8	1248.9	1243.6	5.31	5.29	5.20	-31.5	-42.3	-50.3	0.17		
11.0	10.82	1262.3	1254.4	1249.2	5.31	5.28	5.17	-31.9	-42.1	-50.3	0.21		
11.5	10.52	1267.7	1259.8	1254.6	5.31	5.28	5.17	-32.3	-41.8	-50.7	0.26		
12.0	10.16	1273.0	1265.1	1259.8	5.31	5.28	5.17	-32.5	-41.7	-50.5	0.29		
12.5	9.83	1278.0	1270.2	1265.0	5.31	5.27	5.16	-33.0	-41.3	-51.1	0.33		
13.0	9.50	1283.0	1275.1	1269.9	5.32	5.26	5.15	-33.3	-41.1	-51.7	0.36		
13.5	9.16	1287.7	1279.8	1274.6	5.33	5.27	5.14	-33.6	-41.4	-51.6	0.38		
14.0	9.16	1292.3	1284.4	1279.2	5.34	5.28	5.14	-33.8	-41.5	-51.5	0.39		