

Voltage Controlled Oscillator

ZX95-1310C+

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	6.55	1250.8	1248.9	1247.8	3.01	2.61	2.65	-22.9	-27.3	-34.6	0.12	1	-93
0.50	5.78	1253.9	1252.2	1251.3	3.31	2.82	2.79	-23.1	-24.8	-31.9	0.09	10	-120
1.00	5.56	1256.8	1255.1	1254.2	3.40	2.91	2.89	-22.2	-24.6	-31.2	0.07	100	-139
1.50	5.44	1259.5	1257.9	1257.0	3.46	2.93	2.91	-20.8	-24.6	-30.7	0.05	1000	-159
2.00	5.38	1262.2	1260.6	1259.7	3.49	2.94	2.92	-20.3	-24.8	-30.3	0.04		
2.50	5.36	1264.9	1263.3	1262.4	3.50	2.93	2.91	-20.2	-25.0	-30.0	0.03		
3.00	5.34	1267.6	1265.9	1265.0	3.49	2.92	2.91	-19.6	-25.1	-30.0	0.02		
3.50	5.28	1270.2	1268.6	1267.7	3.49	2.92	2.91	-19.6	-25.2	-30.2	0.02		
4.00	5.18	1272.9	1271.3	1270.4	3.47	2.94	2.92	-19.3	-24.9	-30.0	0.04		
4.50	5.20	1275.5	1273.8	1273.0	3.53	3.00	2.97	-19.2	-24.5	-29.8	0.05		
5.00	5.26	1278.1	1276.4	1275.6	3.53	3.01	3.00	-19.0	-24.5	-29.4	0.05		
5.50	5.26	1280.7	1279.1	1278.2	3.49	2.98	2.98	-18.6	-24.8	-29.1	0.04		
6.00	5.23	1283.3	1281.7	1280.8	3.46	2.94	2.95	-18.4	-25.1	-28.8	0.04		
6.50	5.16	1285.9	1284.3	1283.4	3.43	2.91	2.92	-18.3	-25.4	-28.5	0.04		
7.00	5.06	1288.5	1286.9	1286.0	3.46	2.91	2.91	-18.3	-25.4	-29.2	0.05		
7.50	5.02	1291.0	1289.4	1288.6	3.52	2.93	2.93	-18.4	-24.9	-29.6	0.06		
8.00	5.07	1293.6	1291.9	1291.1	3.51	2.96	2.96	-18.4	-24.4	-29.8	0.07		
8.50	5.08	1296.1	1294.5	1293.6	3.46	2.94	2.96	-18.4	-24.5	-30.0	0.05		
9.50	4.97	1301.1	1299.5	1298.7	3.37	2.85	2.88	-18.4	-25.1	-30.1	0.05		
10.00	4.89	1303.6	1302.0	1301.2	3.34	2.81	2.84	-18.4	-25.4	-30.0	0.07		
11.00	4.65	1308.4	1306.9	1306.0	3.33	2.78	2.81	-18.7	-25.7	-31.2	0.13		
11.50	4.48	1310.7	1309.2	1308.4	3.36	2.82	2.82	-19.1	-25.2	-31.1	0.16		
12.50	4.51	1315.3	1313.7	1312.8	3.38	2.92	2.94	-19.3	-24.0	-30.8	0.22		
13.00	4.40	1317.5	1315.9	1315.0	3.31	2.86	2.92	-19.3	-24.6	-31.0	0.22		
14.00	4.07	1321.8	1320.2	1319.4	3.24	2.74	2.79	-19.3	-25.8	-31.5	0.28		
14.50	3.91	1323.8	1322.3	1321.4	3.29	2.72	2.76	-19.4	-26.1	-32.0	0.32		
15.50	3.57	1327.6	1326.1	1325.3	3.22	2.68	2.72	-19.8	-26.4	-32.7	0.41		
16.00	3.39	1329.4	1327.9	1327.1	3.20	2.66	2.70	-20.0	-26.3	-32.9	0.46		
17.00	3.00	1332.7	1331.2	1330.3	3.18	2.63	2.67	-20.7	-25.9	-33.5	0.55		
17.50	2.80	1334.2	1332.7	1331.9	3.18	2.63	2.66	-21.0	-25.6	-33.9	0.58		
18.50	2.41	1336.9	1335.4	1334.6	3.18	2.63	2.66	-22.0	-24.6	-34.1	0.62		
19.00	2.26	1338.1	1336.6	1335.8	3.11	2.64	2.67	-22.2	-24.1	-34.1	0.63		
20.00	1.99	1340.4	1338.8	1337.9	3.02	2.60	2.67	-22.4	-23.9	-33.9	0.63		
20.50	1.83	1341.4	1339.8	1338.9	2.98	2.56	2.65	-22.5	-24.0	-33.8	0.61		
21.50	1.53	1343.2	1341.5	1340.6	2.92	2.48	2.59	-22.8	-24.1	-34.0	0.55		
22.00	1.53	1344.0	1342.3	1341.3	2.89	2.45	2.56	-22.9	-24.1	-34.0	0.51		