

Voltage Controlled Oscillator

ZX95-1285+

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	65.90	1057.7	1051.2	1049.3	0.43	0.46	0.06	-23.7	-23.5	-49.5	0.59	1	-77
0.3	56.47	1073.3	1067.7	1065.0	0.42	0.32	-0.01	-24.6	-23.7	-54.9	0.28	10	-107
0.5	56.75	1087.8	1081.8	1078.9	0.43	0.38	0.10	-24.4	-23.3	-52.5	0.37	100	-128
0.8	56.10	1102.0	1096.0	1093.2	0.44	0.40	0.14	-24.7	-23.1	-49.3	0.33	1000	-148
1.0	55.04	1115.7	1110.0	1107.1	0.54	0.43	0.18	-25.4	-23.4	-45.3	0.31		
1.3	56.07	1130.2	1123.8	1120.3	0.48	0.43	0.24	-25.4	-22.8	-47.5	0.34		
1.5	55.69	1143.9	1137.8	1134.4	0.55	0.44	0.24	-25.5	-23.2	-41.4	0.37		
1.8	57.78	1158.8	1151.7	1147.8	0.48	0.42	0.27	-25.7	-22.4	-41.6	0.44		
2.0	56.87	1173.1	1166.2	1162.4	0.56	0.43	0.23	-26.1	-23.4	-37.1	0.48		
2.3	57.33	1187.8	1180.4	1176.3	0.60	0.47	0.29	-25.6	-22.7	-37.7	0.57		
2.5	56.83	1202.4	1194.7	1190.5	0.68	0.51	0.32	-25.6	-23.2	-35.4	0.67		
2.8	58.37	1216.9	1208.9	1204.6	0.79	0.60	0.37	-25.8	-24.0	-34.1	0.78		
3.0	55.89	1231.7	1223.5	1218.8	0.90	0.64	0.43	-25.7	-23.9	-32.3	0.92		
3.3	56.23	1245.9	1237.5	1233.0	1.04	0.79	0.52	-25.4	-25.0	-32.2	1.03		
3.5	55.95	1260.6	1251.5	1246.6	1.05	0.82	0.58	-26.2	-24.2	-32.2	1.30		
3.8	51.72	1274.1	1265.5	1261.0	1.13	0.85	0.56	-25.4	-25.0	-30.6	1.27		
4.0	52.62	1287.3	1278.5	1273.8	1.30	0.92	0.60	-25.9	-24.2	-30.7	1.43		
4.3	51.83	1301.3	1291.6	1286.4	1.34	1.00	0.68	-26.3	-25.3	-31.1	1.82		
4.5	46.51	1313.5	1304.6	1300.1	1.52	1.09	0.69	-25.6	-25.8	-30.2	1.57		
4.8	48.10	1325.7	1316.2	1311.5	1.67	1.25	0.83	-26.9	-24.6	-30.8	1.74		
5.0	43.75	1337.5	1328.2	1323.4	1.74	1.33	0.90	-27.0	-25.9	-31.3	1.89		
5.3	42.77	1348.5	1339.2	1335.0	1.86	1.43	0.94	-26.7	-25.0	-31.8	1.77		
5.5	43.40	1359.9	1349.9	1345.7	1.85	1.50	0.98	-27.9	-25.8	-31.7	1.90		
5.8	36.46	1369.5	1360.7	1356.9	1.97	1.49	0.95	-27.5	-27.0	-32.5	1.73		
6.0	36.02	1378.4	1369.8	1366.4	2.12	1.59	1.01	-28.2	-25.3	-32.2	1.64		
6.3	45.02	1387.7	1378.8	1375.8	2.21	1.66	1.03	-30.7	-26.1	-33.3	1.46		
6.5	36.11	1399.3	1390.1	1386.4	2.10	1.54	0.94	-30.4	-26.3	-38.2	1.42		
6.8	28.79	1406.1	1399.1	1396.8	2.32	1.61	0.94	-28.4	-26.9	-33.8	1.06		
7.0	28.79	1413.2	1406.3	1403.9	2.47	1.75	1.06	-30.2	-26.1	-34.4	0.85		