

Voltage Controlled Oscillator

ZX95-1410-S+

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	90.94	679.6	661.1	645.4	8.35	7.96	7.79	-26.6	-25.9	-35.9	0.76	1	-74
0.5	93.39	725.1	706.6	690.8	8.19	7.84	7.58	-24.6	-25.6	-37.3	0.75	10	-101
1.0	93.93	772.2	753.3	737.6	8.30	7.86	7.31	-22.7	-25.1	-39.9	0.73	100	-124
1.5	93.84	819.1	800.2	784.6	8.50	7.90	7.44	-21.0	-25.1	-45.7	0.71	1000	-144
2.0	94.75	866.4	847.2	831.8	8.64	8.01	7.56	-19.6	-24.7	-49.4	0.71		
2.5	94.92	914.0	894.5	879.0	8.64	8.15	7.64	-18.5	-24.6	-47.8	0.72		
3.0	93.94	961.5	942.0	926.6	8.81	8.20	7.67	-17.4	-25.6	-44.5	0.71		
3.5	91.73	1009.3	989.0	973.6	9.03	8.26	7.82	-16.5	-27.3	-42.6	0.70		
4.0	86.35	1054.5	1034.8	1019.3	9.00	8.36	7.90	-16.0	-29.7	-39.7	0.67		
4.5	82.27	1097.3	1078.0	1063.3	8.97	8.35	7.79	-15.7	-34.1	-38.1	0.63		
5.0	76.95	1137.4	1119.1	1104.8	9.01	8.31	7.79	-15.8	-35.8	-36.4	0.54		
5.5	73.69	1175.4	1157.6	1144.4	8.93	8.22	7.84	-16.1	-35.6	-34.3	0.46		
6.0	69.54	1210.6	1194.5	1181.8	8.71	8.07	7.72	-16.7	-35.3	-34.9	0.38		
6.5	68.10	1245.6	1229.2	1217.4	8.42	7.90	7.45	-16.9	-34.5	-34.9	0.31		
7.0	64.68	1278.7	1263.3	1251.8	8.35	7.74	7.18	-17.3	-34.2	-35.5	0.26		
7.5	62.45	1310.6	1295.6	1284.5	8.32	7.53	7.09	-17.3	-33.2	-34.5	0.23		
8.0	60.33	1341.4	1326.8	1316.2	8.17	7.34	7.01	-17.5	-33.0	-35.6	0.20		
8.5	58.12	1371.0	1357.0	1346.7	7.92	7.16	6.81	-17.7	-32.5	-35.3	0.19		
9.0	57.12	1399.8	1386.1	1376.1	7.63	6.96	6.52	-17.9	-32.3	-36.8	0.17		
9.5	54.41	1427.6	1414.6	1404.8	7.39	6.78	6.23	-18.3	-32.1	-36.7	0.16		
10.0	53.62	1454.7	1441.8	1432.4	7.24	6.53	5.98	-18.3	-31.1	-37.9	0.14		
10.5	52.53	1481.3	1468.6	1459.5	7.13	6.25	5.82	-18.9	-30.9	-38.9	0.13		
11.0	52.53	1507.1	1494.9	1485.8	6.90	6.00	5.69	-19.3	-30.3	-38.8	0.11		