

Voltage Controlled Oscillator

ZX95-100+

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	4.96	45.2	44.1	44.0	8.02	7.46	6.55	-37.0	-38.2	-52.0	0.04	1	-85
0.5	4.54	47.2	46.6	46.7	8.98	8.54	7.74	-36.8	-39.3	-52.4	0.00	10	-109
1.0	4.63	49.3	48.9	49.1	9.71	9.39	8.71	-37.2	-39.6	-52.6	0.10	100	-130
1.5	4.03	51.5	51.2	51.4	9.94	9.84	9.24	-48.6	-38.8	-52.6	0.06	1000	-150
2.0	3.72	53.4	53.2	53.4	10.06	9.96	9.41	-37.5	-38.0	-52.1	0.02		
2.5	3.56	55.2	55.1	55.3	10.13	10.01	9.49	-32.9	-37.5	-51.4	0.01		
3.0	3.49	56.9	56.9	57.0	10.18	10.03	9.52	-30.8	-37.3	-50.4	0.03		
3.5	3.46	58.6	58.6	58.8	10.21	10.03	9.53	-29.8	-37.2	-49.5	0.05		
4.0	3.48	60.3	60.3	60.5	10.23	10.02	9.52	-29.2	-37.2	-48.4	0.06		
4.5	3.52	62.0	62.1	62.2	10.24	10.01	9.49	-28.9	-37.1	-47.4	0.07		
5.0	3.58	63.7	63.8	64.0	10.23	9.99	9.46	-28.9	-37.0	-46.5	0.08		
5.5	3.64	65.5	65.6	65.8	10.22	9.97	9.42	-29.1	-36.9	-45.6	0.08		
6.0	3.70	67.3	67.4	67.6	10.20	9.94	9.38	-29.4	-36.7	-44.9	0.08		
6.5	3.76	69.2	69.3	69.5	10.18	9.90	9.32	-29.8	-36.5	-44.0	0.07		
7.0	3.80	71.1	71.2	71.3	10.14	9.85	9.27	-30.2	-36.4	-43.3	0.06		
7.5	3.84	73.0	73.1	73.3	10.10	9.79	9.21	-30.6	-36.2	-42.7	0.05		
8.0	3.86	74.9	75.0	75.2	10.06	9.73	9.14	-31.0	-36.2	-42.2	0.04		
8.5	3.86	76.9	76.9	77.1	10.02	9.67	9.07	-31.4	-36.2	-41.8	0.03		
9.0	3.87	78.9	78.8	79.1	9.98	9.61	9.00	-31.8	-36.1	-41.5	0.02		
9.5	3.87	81.0	80.8	81.0	9.93	9.55	8.92	-32.2	-36.0	-41.2	0.01		
10.0	3.89	83.0	82.7	82.9	9.88	9.49	8.83	-32.5	-36.0	-40.9	0.01		
10.5	3.90	85.1	84.7	84.9	9.82	9.41	8.73	-32.9	-35.8	-40.8	0.02		
11.0	3.95	87.1	86.6	86.8	9.75	9.33	8.62	-33.3	-35.7	-40.8	0.04		
11.5	4.00	89.2	88.6	88.7	9.68	9.24	8.50	-33.7	-35.7	-40.8	0.05		
12.0	4.07	91.3	90.6	90.7	9.60	9.13	8.36	-34.2	-35.6	-40.6	0.06		
12.5	4.15	93.4	92.6	92.7	9.52	9.02	8.22	-34.7	-35.6	-40.2	0.07		
13.0	4.23	95.5	94.7	94.7	9.42	8.90	8.06	-35.3	-35.5	-39.8	0.07		
13.5	4.32	97.7	96.8	96.8	9.32	8.77	7.90	-35.9	-35.3	-39.4	0.08		
14.0	4.41	99.9	99.0	98.9	9.22	8.63	7.73	-36.5	-35.1	-39.2	0.10		
14.5	4.50	102.2	101.2	101.1	9.10	8.48	7.55	-37.0	-35.0	-38.8	0.12		
15.0	4.59	104.5	103.4	103.3	8.98	8.32	7.36	-37.3	-34.8	-38.2	0.15		
15.5	4.67	106.8	105.7	105.6	8.86	8.16	7.18	-37.3	-34.5	-37.5	0.19		
16.0	4.73	109.2	108.1	107.9	8.73	7.99	6.98	-37.1	-34.2	-37.0	0.23		
16.5	4.78	111.6	110.4	110.2	8.59	7.81	6.78	-36.8	-33.7	-36.5	0.28		
17.0	4.78	114.0	112.8	112.5	8.45	7.63	6.57	-36.3	-33.3	-35.9	0.34		

