

Voltage Controlled Oscillator

ZX95-258+

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	4.66	245.6	244.3	243.2	3.24	3.82	3.81	-20.5	-34.0	-53.9	0.12	1	-97
0.3	4.33	246.7	245.5	244.4	3.31	3.89	3.88	-20.7	-34.1	-54.1	0.13	10	-120
0.5	4.17	247.8	246.6	245.5	3.38	3.96	3.94	-20.8	-34.2	-54.5	0.13	100	-141
0.8	4.10	248.8	247.6	246.6	3.45	4.01	3.99	-21.0	-34.4	-54.6	0.13	1000	-160
1.0	4.09	249.8	248.7	247.6	3.51	4.07	4.05	-21.2	-34.5	-54.2	0.13		
1.3	4.12	250.9	249.7	248.6	3.58	4.13	4.11	-21.4	-34.5	-53.7	0.13		
1.5	4.20	251.9	250.7	249.6	3.64	4.19	4.17	-21.6	-34.5	-53.3	0.13		
1.8	4.30	253.0	251.8	250.7	3.70	4.25	4.22	-21.8	-34.3	-53.1	0.14		
2.0	4.43	254.1	252.8	251.7	3.76	4.30	4.28	-22.0	-34.3	-52.8	0.14		
2.3	4.59	255.2	253.9	252.8	3.82	4.36	4.34	-22.2	-34.2	-52.6	0.14		
2.5	4.76	256.4	255.1	254.0	3.89	4.42	4.40	-22.4	-34.1	-52.5	0.14		
2.8	4.95	257.6	256.3	255.1	3.95	4.49	4.46	-22.5	-34.2	-52.7	0.14		
3.0	5.14	258.8	257.5	256.3	4.01	4.55	4.52	-22.6	-34.5	-52.2	0.14		
3.3	5.33	260.1	258.8	257.6	4.06	4.61	4.58	-22.7	-34.8	-51.9	0.14		
3.5	5.53	261.5	260.1	258.9	4.12	4.67	4.65	-22.8	-35.2	-51.3	0.13		
3.8	5.71	262.9	261.5	260.3	4.17	4.73	4.71	-22.8	-35.4	-50.6	0.13		
4.0	5.88	264.4	263.0	261.7	4.22	4.78	4.77	-22.9	-35.5	-49.9	0.12		
4.3	6.04	265.9	264.4	263.1	4.26	4.83	4.82	-23.0	-35.5	-49.5	0.11		
4.5	6.18	267.4	265.9	264.6	4.29	4.87	4.87	-23.2	-35.3	-49.1	0.10		
4.8	6.29	269.0	267.5	266.1	4.32	4.90	4.92	-23.4	-35.1	-48.6	0.09		
5.0	6.39	270.5	269.1	267.7	4.33	4.93	4.96	-23.8	-34.9	-48.0	0.07		
5.3	6.47	272.2	270.6	269.3	4.33	4.94	5.00	-24.2	-35.0	-47.5	0.06		
5.5	6.52	273.8	272.3	270.8	4.32	4.95	5.03	-24.5	-35.1	-47.0	0.06		
5.8	6.56	275.4	273.9	272.5	4.31	4.95	5.05	-24.8	-35.5	-46.8	0.05		
6.0	6.57	277.1	275.5	274.1	4.29	4.95	5.07	-25.0	-35.8	-46.9	0.05		
6.3	6.57	278.8	277.2	275.7	4.26	4.94	5.07	-25.2	-35.9	-46.6	0.04		
6.5	6.54	280.4	278.8	277.3	4.23	4.93	5.08	-25.2	-35.8	-46.1	0.04		
6.8	6.50	282.1	280.5	278.9	4.19	4.91	5.08	-25.2	-35.7	-45.3	0.04		
7.0	6.50	283.7	282.1	280.5	4.15	4.89	5.07	-25.2	-35.6	-44.8	0.04		