

Voltage Controlled Oscillator

ZX95-485A+

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	15.92	438.8	436.7	435.2	3.90	3.69	2.88	-18.8	-45.8	-43.1	0.44	1	-91
0.25	14.36	442.6	440.7	439.3	4.15	3.96	3.24	-18.8	-46.7	-40.4	0.40	10	-120
0.50	13.44	446.1	444.2	443.0	4.29	4.11	3.45	-19.0	-47.0	-38.8	0.36	100	-141
0.70	12.98	448.7	446.9	445.7	4.35	4.19	3.56	-19.0	-47.1	-37.8	0.35	1000	-160
1.00	12.51	452.5	450.8	449.6	4.39	4.26	3.69	-19.1	-47.0	-36.8	0.33		
1.25	12.29	455.6	454.0	452.7	4.39	4.29	3.75	-19.2	-46.8	-36.1	0.33		
1.50	12.16	458.6	457.0	455.8	4.36	4.29	3.78	-19.6	-46.3	-35.5	0.33		
1.75	12.09	461.6	460.1	458.9	4.31	4.26	3.79	-20.0	-45.9	-35.0	0.34		
2.00	12.04	464.6	463.1	461.9	4.26	4.22	3.78	-20.5	-45.4	-34.4	0.35		
2.25	12.01	467.6	466.1	465.0	4.16	4.16	3.76	-20.9	-44.6	-34.1	0.38		
2.50	12.00	470.5	469.1	468.0	4.05	4.09	3.72	-21.3	-44.1	-33.9	0.40		
2.75	12.00	473.5	472.1	471.0	3.92	4.01	3.66	-21.8	-43.4	-33.7	0.43		
3.00	12.00	476.4	475.1	474.0	3.77	3.90	3.59	-22.4	-42.4	-33.7	0.47		
3.25	12.02	479.4	478.1	477.1	3.59	3.78	3.50	-23.0	-41.6	-33.9	0.50		
3.50	12.04	482.3	481.1	480.1	3.41	3.65	3.40	-23.7	-40.8	-34.0	0.52		
3.75	12.08	485.3	484.1	483.1	3.20	3.50	3.29	-24.2	-39.8	-34.5	0.55		
4.00	12.12	488.3	487.1	486.2	2.99	3.34	3.16	-24.6	-38.7	-35.0	0.56		
4.25	12.16	491.3	490.2	489.2	2.77	3.18	3.02	-25.0	-37.6	-35.7	0.58		
4.50	12.21	494.3	493.2	492.2	2.55	3.00	2.88	-25.4	-36.7	-36.6	0.58		
4.75	12.25	497.3	496.3	495.3	2.33	2.82	2.73	-25.8	-35.9	-37.4	0.58		
5.00	12.29	500.4	499.3	498.3	2.11	2.63	2.57	-26.1	-34.9	-38.5	0.58		
5.25	12.33	503.4	502.4	501.4	1.89	2.43	2.40	-26.2	-33.9	-39.4	0.57		
5.50	12.34	506.5	505.5	504.4	1.66	2.23	2.21	-26.1	-33.1	-40.7	0.55		
5.75	12.32	509.6	508.6	507.5	1.43	2.03	2.02	-25.8	-32.3	-42.2	0.53		
6.00	12.28	512.6	511.6	510.5	1.21	1.83	1.83	-25.5	-31.7	-43.5	0.51		
6.25	12.23	515.7	514.7	513.6	0.98	1.63	1.64	-25.2	-30.9	-44.5	0.48		
6.50	12.16	518.8	517.8	516.6	0.76	1.44	1.45	-24.9	-30.3	-45.0	0.46		
6.75	12.09	521.8	520.8	519.6	0.55	1.25	1.25	-24.5	-29.8	-44.8	0.45		
7.00	12.09	524.9	523.8	522.6	0.36	1.04	1.04	-24.1	-29.4	-44.2	0.44		