

Voltage Controlled Oscillator

ZX95-2085+

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	37.01	2042.2	2039.1	2033.9	4.58	3.99	2.28	-23.3	-28.9	-36.9	0.01	1	-80
0.25	33.97	2050.9	2048.3	2043.5	4.60	3.99	2.26	-23.2	-29.0	-36.1	0.08	10	-106
0.50	32.31	2059.1	2056.8	2052.2	4.61	4.00	2.26	-23.5	-29.0	-35.8	0.13	100	-126
0.75	31.31	2067.0	2064.9	2060.4	4.61	4.00	2.26	-23.8	-29.1	-36.0	0.16	1000	-146
1.00	30.58	2074.6	2072.7	2068.3	4.59	3.98	2.24	-23.8	-28.9	-35.7	0.18		
1.25	30.03	2082.1	2080.4	2075.9	4.59	3.98	2.20	-23.8	-28.7	-35.1	0.20		
1.50	29.74	2089.5	2087.9	2083.5	4.58	3.97	2.20	-24.0	-28.8	-35.9	0.22		
1.75	29.65	2096.8	2095.3	2090.9	4.55	3.93	2.17	-24.0	-28.7	-35.2	0.22		
2.00	29.59	2104.1	2102.7	2098.3	4.53	3.90	2.12	-24.0	-28.6	-35.1	0.23		
2.25	29.61	2111.4	2110.1	2105.7	4.51	3.88	2.08	-24.2	-28.4	-35.3	0.24		
2.50	29.69	2118.7	2117.5	2113.1	4.48	3.84	2.03	-24.3	-28.5	-35.3	0.24		
2.75	29.64	2126.0	2125.0	2120.5	4.44	3.80	1.99	-24.3	-28.6	-34.6	0.25		
3.00	29.60	2133.2	2132.4	2127.9	4.42	3.76	1.94	-24.1	-28.6	-34.7	0.25		
3.25	29.77	2140.6	2139.8	2135.3	4.40	3.72	1.90	-24.1	-28.8	-34.9	0.25		
3.50	29.93	2147.9	2147.2	2142.7	4.39	3.71	1.87	-24.4	-28.7	-34.2	0.26		
3.75	30.15	2155.3	2154.7	2150.1	4.37	3.68	1.85	-24.5	-28.5	-34.0	0.28		
3.90	30.27	2159.7	2159.2	2154.6	4.36	3.66	1.81	-24.6	-28.3	-34.1	0.28		
4.25	30.60	2170.2	2169.8	2165.2	4.36	3.65	1.76	-24.7	-28.3	-34.0	0.28		
4.50	30.70	2177.8	2177.5	2172.8	4.35	3.64	1.75	-25.0	-28.3	-32.9	0.29		
4.75	30.73	2185.3	2185.1	2180.4	4.32	3.61	1.72	-24.9	-27.9	-33.8	0.29		
5.00	30.90	2192.9	2192.8	2188.1	4.30	3.59	1.68	-24.9	-28.2	-33.7	0.29		
5.25	30.86	2200.5	2200.6	2195.8	4.30	3.58	1.66	-25.2	-28.4	-32.7	0.29		
5.50	30.92	2208.2	2208.3	2203.5	4.29	3.56	1.64	-25.3	-28.2	-33.8	0.29		
5.75	31.09	2215.8	2216.0	2211.2	4.27	3.54	1.62	-25.4	-27.9	-33.0	0.28		
6.00	31.21	2223.5	2223.8	2218.9	4.26	3.52	1.59	-25.8	-27.7	-33.3	0.29		
6.25	31.21	2231.2	2231.6	2226.7	4.25	3.51	1.57	-26.1	-27.8	-32.8	0.29		
6.50	31.12	2238.9	2239.4	2234.5	4.24	3.49	1.55	-26.1	-28.0	-33.2	0.29		
6.75	31.24	2246.6	2247.2	2242.2	4.21	3.44	1.51	-26.0	-28.3	-33.4	0.29		
7.00	31.24	2254.3	2255.0	2250.0	4.20	3.42	1.45	-26.4	-28.5	-32.6	0.30		