

Voltage Controlled Oscillator

ZX95-2390+

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	33.41	2278.9	2267.3	2259.4	5.46	4.11	2.72	-17.3	-39.2	-39.7	0.33	1	-80.9
0.25	30.89	2286.9	2275.7	2268.0	5.53	4.21	2.84	-17.2	-38.3	-38.5	0.37	10	-106.3
0.50	29.78	2294.6	2283.4	2275.9	5.59	4.27	2.90	-17.6	-36.2	-37.0	0.39	100	-127.4
0.75	29.30	2302.0	2290.8	2283.4	5.63	4.34	2.93	-17.6	-35.9	-36.8	0.40	1000	-147.4
1.00	29.31	2309.4	2298.2	2290.6	5.62	4.40	2.97	-17.7	-36.5	-37.2	0.40		
1.25	29.63	2316.9	2305.5	2297.8	5.64	4.42	3.03	-17.7	-36.1	-35.4	0.40		
1.50	30.08	2324.4	2312.9	2305.1	5.71	4.44	3.05	-17.8	-34.7	-33.5	0.40		
1.75	30.67	2332.0	2320.4	2312.4	5.72	4.47	3.07	-17.8	-33.0	-34.0	0.38		
2.00	31.25	2339.7	2328.1	2319.9	5.74	4.50	3.10	-17.2	-33.6	-33.2	0.37		
2.25	31.95	2347.7	2335.9	2327.6	5.76	4.52	3.13	-16.8	-34.9	-30.8	0.34		
2.50	32.72	2355.9	2343.9	2335.5	5.83	4.56	3.13	-16.8	-34.6	-30.5	0.30		
2.75	33.44	2364.2	2352.1	2343.5	5.91	4.62	3.16	-17.2	-32.9	-31.1	0.24		
3.00	34.18	2372.7	2360.4	2351.7	5.97	4.70	3.23	-17.1	-31.6	-29.9	0.18		
3.25	34.55	2381.3	2369.0	2360.0	5.99	4.77	3.30	-17.1	-32.3	-28.9	0.10		
3.50	34.85	2389.9	2377.6	2368.5	5.98	4.81	3.36	-16.9	-31.4	-31.2	0.01		
3.75	34.70	2398.6	2386.3	2377.1	5.90	4.81	3.40	-16.8	-30.0	-30.2	0.12		
4.00	34.67	2407.3	2395.0	2385.8	5.86	4.75	3.39	-16.7	-29.3	-29.6	0.25		
4.25	34.54	2416.0	2403.7	2394.5	5.87	4.67	3.31	-17.0	-30.2	-31.4	0.39		
4.50	34.43	2424.7	2412.3	2403.0	5.87	4.65	3.21	-16.7	-31.6	-31.3	0.52		
4.75	34.55	2433.4	2420.9	2411.6	5.84	4.64	3.16	-16.2	-29.6	-30.5	0.66		
5.00	34.44	2442.1	2429.5	2420.0	5.85	4.67	3.12	-16.3	-28.8	-31.4	0.78		
5.25	34.35	2450.6	2438.2	2428.5	5.90	4.65	3.13	-16.6	-28.5	-32.5	0.92		
5.50	33.36	2459.0	2446.7	2436.8	5.91	4.67	3.16	-16.3	-28.1	-31.1	1.03		
5.75	33.42	2467.4	2455.1	2445.2	5.93	4.68	3.14	-16.3	-27.1	-31.7	1.16		
6.00	32.60	2475.7	2463.4	2453.5	5.95	4.71	3.09	-16.3	-26.9	-31.7	1.26		
6.25	32.63	2484.0	2471.6	2461.6	5.93	4.70	3.04	-16.7	-28.2	-30.4	1.35		
6.50	31.84	2492.1	2479.7	2469.7	5.82	4.67	3.03	-16.5	-29.0	-28.9	1.44		
6.75	31.70	2500.2	2487.7	2477.5	5.72	4.57	2.96	-16.1	-27.9	-29.4	1.50		
7.00	31.70	2508.1	2495.6	2485.4	5.54	4.46	2.82	-16.1	-26.9	-29.6	1.60		