

Voltage Controlled Oscillator

ZX95-2650A+

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	148.83	2205.5	2181.4	2161.7	0.92	0.99	0.73	-35.1	-25.3	-32.4	0.04	1	-68
0.3	132.15	2240.2	2218.6	2201.2	0.88	0.98	0.69	-39.2	-26.1	-32.4	0.74	10	-96
0.5	124.01	2272.3	2251.7	2235.3	0.79	0.91	0.68	-39.2	-26.3	-32.1	1.14	100	-117
0.8	117.17	2302.3	2282.7	2267.0	0.74	0.82	0.57	-37.8	-26.1	-30.8	1.38	1000	-137
1.0	113.99	2331.2	2312.0	2296.9	0.69	0.77	0.54	-37.9	-25.7	-32.2	1.57		
1.3	112.47	2359.4	2340.5	2325.7	0.66	0.74	0.49	-35.8	-25.1	-33.5	1.70		
1.5	113.35	2387.5	2368.6	2353.9	0.57	0.70	0.46	-35.8	-25.2	-34.9	1.83		
1.8	112.64	2415.7	2396.9	2382.2	0.52	0.61	0.38	-36.0	-25.6	-34.2	1.96		
2.0	114.42	2444.0	2425.1	2410.5	0.47	0.58	0.32	-37.4	-26.1	-33.8	2.06		
2.3	119.14	2473.1	2453.7	2438.9	0.38	0.52	0.28	-39.0	-25.8	-34.2	2.12		
2.5	119.33	2502.8	2483.5	2468.2	0.31	0.42	0.21	-40.3	-25.9	-34.6	2.19		
2.8	121.86	2532.9	2513.3	2498.3	0.33	0.38	0.12	-41.5	-26.1	-34.8	2.07		
3.0	124.95	2564.0	2543.8	2528.3	0.23	0.36	0.13	-42.3	-26.2	-35.2	1.86		
3.3	123.91	2595.1	2575.0	2559.4	0.08	0.25	0.06	-40.1	-26.7	-34.3	1.45		
3.5	121.47	2626.0	2606.0	2590.4	0.01	0.10	-0.08	-39.1	-26.5	-33.8	0.90		
3.8	118.60	2656.6	2636.4	2620.8	-0.08	0.07	-0.14	-41.2	-26.3	-33.7	0.29		
4.0	110.92	2685.9	2666.0	2650.4	-0.17	0.01	-0.14	-41.2	-25.9	-34.1	0.25		
4.3	103.44	2713.4	2693.7	2678.6	-0.21	-0.01	-0.19	-43.0	-25.6	-34.8	0.64		
4.5	94.64	2738.7	2719.6	2704.7	-0.28	-0.05	-0.20	-44.0	-25.6	-35.2	0.78		
4.8	85.86	2761.6	2743.3	2728.7	-0.32	-0.11	-0.25	-39.9	-25.9	-34.8	0.68		
5.0	77.92	2782.5	2764.7	2750.6	-0.35	-0.15	-0.29	-44.9	-26.3	-34.4	0.40		
5.3	71.21	2801.5	2784.2	2770.4	-0.40	-0.19	-0.33	-40.5	-26.4	-34.2	0.01		
5.5	65.02	2818.7	2802.0	2788.5	-0.45	-0.24	-0.36	-42.5	-25.8	-35.0	0.41		
5.8	59.68	2834.3	2818.3	2805.1	-0.51	-0.29	-0.40	-40.2	-26.3	-35.9	0.80		
6.0	55.39	2848.7	2833.2	2820.4	-0.54	-0.34	-0.45	-37.2	-25.9	-35.0	1.13		
6.3	51.90	2862.2	2847.0	2834.5	-0.52	-0.36	-0.50	-38.0	-25.7	-35.9	1.41		
6.5	49.51	2875.1	2860.0	2847.7	-0.55	-0.36	-0.52	-37.9	-25.4	-36.0	1.64		
6.8	47.90	2887.3	2872.4	2860.1	-0.58	-0.37	-0.52	-31.9	-25.3	-35.2	1.82		
7.0	47.90	2899.0	2884.4	2872.1	-0.65	-0.40	-0.53	-32.7	-25.2	-36.6	1.99		

REV. X2

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