

Voltage Controlled Oscillator

ZX95-2600+

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	62.08	1593.1	1585.0	1570.1	7.78	7.66	6.37	-15.9	-29.6	-34.8	0.98	1	-77
0.3	59.38	1623.8	1616.1	1602.4	7.69	7.52	6.22	-15.9	-30.1	-35.5	1.01	10	-102
2.0	56.27	1711.1	1703.8	1691.7	7.43	7.23	5.98	-16.1	-31.3	-37.4	1.08	100	-124
3.0	56.84	1767.6	1760.1	1748.2	7.28	7.05	5.83	-15.8	-32.3	-41.2	1.12	1000	-144
4.0	56.75	1824.5	1816.9	1804.9	7.07	6.96	5.67	-15.8	-32.2	-38.0	1.18		
5.0	56.68	1881.1	1873.7	1861.9	7.01	6.82	5.73	-16.2	-34.8	-35.6	1.26		
6.0	57.23	1938.1	1930.3	1919.1	6.80	6.72	5.58	-16.4	-33.7	-33.8	1.25		
7.0	57.09	1995.1	1987.6	1975.9	6.59	6.51	5.59	-16.4	-32.1	-33.2	1.28		
8.0	57.35	2052.5	2044.6	2033.3	6.58	6.40	5.52	-17.2	-30.7	-29.5	1.27		
9.0	56.48	2109.8	2102.0	2090.5	6.39	6.35	5.50	-17.2	-29.2	-30.5	1.28		
10.0	54.64	2166.0	2158.5	2147.0	6.34	6.13	5.50	-17.3	-30.2	-34.7	1.24		
11.0	53.58	2220.9	2213.1	2202.3	6.33	6.21	5.43	-18.5	-31.5	-33.4	1.10		
12.0	50.51	2274.3	2266.7	2255.8	6.04	6.09	5.18	-18.5	-29.6	-34.8	0.99		
13.0	47.25	2324.3	2317.2	2305.8	6.01	5.95	5.36	-20.5	-31.0	-32.4	0.86		
14.0	43.70	2371.2	2364.5	2353.2	5.98	5.82	5.29	-19.7	-34.5	-34.4	0.70		
15.0	40.93	2414.8	2408.2	2397.0	6.05	5.80	5.25	-19.2	-31.3	-35.8	0.58		
16.0	39.13	2456.4	2449.1	2438.2	5.71	5.86	5.25	-20.3	-29.9	-41.2	0.49		
17.0	34.67	2493.7	2488.2	2476.0	5.99	5.39	5.19	-19.5	-29.4	-41.7	0.47		
18.0	34.80	2530.5	2522.9	2511.4	5.61	5.83	5.29	-20.4	-29.3	-44.1	0.44		
19.0	29.38	2562.6	2557.7	2544.8	5.95	5.31	5.07	-20.7	-27.3	-44.6	0.47		
20.0	28.63	2594.0	2587.1	2574.8	5.65	5.58	5.25	-21.4	-27.2	-45.7	0.41		
21.0	26.99	2622.0	2615.7	2603.6	5.66	5.54	4.93	-20.5	-26.3	-43.7	0.40		
22.0	23.82	2648.7	2642.7	2629.5	5.59	5.28	4.98	-22.0	-25.4	-43.0	0.35		
23.0	22.38	2672.7	2666.5	2653.9	5.60	5.39	4.88	-22.4	-25.2	-42.4	0.31		
24.0	19.47	2694.6	2688.9	2675.3	5.71	5.22	4.93	-23.3	-24.3	-42.1	0.26		
25.0	18.14	2715.8	2708.4	2694.7	5.36	5.25	5.01	-23.9	-23.5	-42.8	0.21		
26.0	16.82	2733.3	2726.5	2713.2	5.21	5.20	4.86	-25.2	-23.4	-44.7	0.20		
27.0	13.26	2748.9	2743.3	2729.2	5.29	4.75	4.42	-24.8	-25.2	-40.5	0.23		
28.0	11.16	2762.6	2756.6	2742.1	5.35	4.66	4.50	-24.4	-23.8	-43.0	0.24		
29.0	10.05	2774.6	2767.7	2753.5	5.37	4.80	4.56	-26.2	-24.9	-43.4	0.31		
30.0	10.05	2785.6	2777.8	2763.4	5.26	4.91	4.60	-27.4	-25.9	-46.0	0.37		

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