

Voltage Controlled Oscillator

ZX95-2536C+

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	81.90	2267.6	2257.4	2249.2	5.54	5.14	4.51	-21.7	-19.0	-36.6	2.44	1	-76
0.25	77.55	2287.7	2277.9	2270.0	5.63	5.17	4.59	-25.1	-19.5	-36.3	2.52	10	-105
0.50	74.61	2306.7	2297.3	2289.5	5.76	5.23	4.62	-30.5	-20.4	-35.5	1.96	100	-129
0.75	73.96	2325.2	2315.9	2308.2	5.87	5.27	4.67	-36.1	-21.6	-35.4	1.65	1000	-148
1.00	73.76	2344.0	2334.4	2326.4	5.86	5.32	4.77	-32.0	-22.3	-36.4	1.49		
1.25	73.75	2362.7	2352.9	2344.6	5.86	5.38	4.83	-28.6	-22.4	-37.9	1.42		
1.50	74.01	2381.6	2371.3	2362.6	5.87	5.43	4.92	-25.6	-22.5	-39.9	1.37		
1.75	74.71	2400.7	2389.8	2380.6	5.87	5.52	5.03	-23.5	-23.3	-41.2	1.38		
2.00	74.15	2419.7	2408.5	2398.9	5.89	5.58	5.12	-22.2	-23.5	-44.0	1.41		
2.25	73.21	2438.5	2427.0	2417.2	5.90	5.62	5.21	-20.8	-23.5	-43.4	1.51		
2.50	71.91	2456.9	2445.3	2435.4	5.92	5.69	5.28	-20.0	-23.9	-43.5	1.75		
2.75	70.82	2475.0	2463.3	2453.3	6.00	5.73	5.33	-19.5	-24.7	-43.9	2.12		
3.00	68.45	2492.6	2481.0	2471.1	6.01	5.80	5.40	-18.5	-25.3	-44.9	2.58		
3.25	65.44	2509.4	2498.1	2488.3	6.09	5.87	5.44	-17.9	-25.3	-45.0	3.09		
3.50	61.36	2525.2	2514.5	2504.9	6.16	5.91	5.54	-17.3	-27.7	-46.3	3.65		
3.75	57.60	2540.3	2529.8	2520.7	6.18	5.97	5.58	-16.8	-27.5	-47.3	4.08		
4.00	53.56	2554.4	2544.2	2535.4	6.26	6.01	5.66	-16.3	-30.1	-48.7	4.52		
4.25	50.01	2567.6	2557.6	2549.0	6.30	6.08	5.70	-16.1	-31.4	-49.8	4.84		
4.50	45.62	2579.9	2570.1	2561.7	6.33	6.10	5.76	-15.6	-33.0	-49.1	5.01		
4.75	41.10	2591.0	2581.5	2573.3	6.38	6.15	5.79	-15.5	-37.8	-50.1	5.07		
5.00	36.26	2601.0	2591.8	2583.8	6.40	6.17	5.83	-15.2	-35.9	-51.1	4.89		
5.25	32.25	2610.1	2600.8	2593.1	6.41	6.20	5.85	-15.1	-36.3	-51.6	4.61		
5.50	28.58	2618.1	2608.9	2601.3	6.47	6.24	5.87	-15.1	-38.8	-50.6	4.39		
5.75	24.86	2625.1	2616.1	2608.5	6.52	6.26	5.89	-15.0	-34.6	-51.1	3.96		
6.00	21.59	2631.5	2622.3	2614.7	6.49	6.29	5.91	-15.0	-33.4	-49.8	3.52		
6.25	18.63	2636.9	2627.7	2620.1	6.50	6.32	5.93	-15.0	-33.8	-49.5	3.06		
6.50	16.41	2641.6	2632.3	2624.8	6.53	6.33	5.96	-15.1	-34.8	-51.2	2.63		
6.75	14.30	2645.6	2636.4	2628.9	6.57	6.34	5.96	-15.1	-33.4	-49.7	2.27		
7.00	14.30	2649.2	2640.0	2632.5	6.61	6.35	5.96	-15.0	-31.8	-49.8	1.90		

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