

Voltage Controlled Oscillator

ZX95-3050C+

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	11.14	2836.4	2829.2	2824.7	5.12	4.44	3.68	-21.9	-39.1	-45.4	0.38	1	-80
0.5	10.82	2841.9	2834.8	2830.3	5.20	4.50	3.74	-22.0	-39.3	-45.6	0.38	10	-106
2.0	11.71	2857.9	2850.8	2846.2	5.40	4.70	3.94	-22.4	-41.2	-47.3	0.46	100	-127
3.0	13.89	2869.8	2862.5	2857.7	5.53	4.80	4.05	-22.4	-40.4	-43.9	0.46	1000	-147
4.0	16.19	2883.8	2876.4	2871.2	5.65	4.94	4.18	-22.9	-43.1	-48.6	0.46		
5.0	17.79	2900.3	2892.6	2886.9	5.70	5.06	4.34	-23.3	-42.7	-45.4	0.46		
6.0	18.62	2918.3	2910.4	2904.5	5.73	5.13	4.42	-23.5	-43.1	-47.3	0.54		
7.0	18.37	2937.0	2929.0	2922.9	5.78	5.14	4.44	-23.2	-43.5	-51.6	0.46		
8.0	18.24	2955.4	2947.4	2941.3	5.90	5.23	4.50	-23.3	-46.1	-48.3	0.54		
9.0	17.92	2973.6	2965.6	2959.4	6.04	5.35	4.60	-22.9	-46.8	-49.6	0.69		
10.0	17.73	2991.6	2983.6	2977.3	6.10	5.46	4.73	-23.1	-49.5	-55.3	0.77		
11.0	17.66	3009.5	3001.3	2995.2	6.05	5.50	4.80	-22.5	-49.9	-54.2	0.77		
12.0	17.34	3027.1	3018.9	3012.8	5.89	5.41	4.77	-21.8	-54.5	-56.0	0.69		
13.0	16.83	3044.5	3036.3	3030.3	5.68	5.25	4.64	-21.5	-57.4	-59.3	0.77		
14.0	16.51	3061.4	3053.1	3047.3	5.51	5.05	4.46	-21.5	-56.2	-57.4	0.61		
15.0	15.74	3078.1	3069.6	3063.7	5.28	4.89	4.31	-21.5	-58.5	-60.5	0.54		
16.0	14.91	3094.1	3085.4	3079.5	5.12	4.77	4.12	-21.7	-56.4	-60.1	0.38		
17.0	14.53	3109.8	3100.3	3094.7	4.81	4.57	3.98	-22.0	-56.8	-58.3	0.38		
18.0	14.14	3124.9	3114.8	3109.1	4.51	4.30	3.75	-22.9	-54.7	-58.5	0.31		
19.0	12.74	3138.9	3129.0	3122.7	4.13	4.00	3.41	-23.3	-55.9	-53.7	0.23		
20.0	11.39	3152.0	3141.7	3135.4	3.86	3.71	3.04	-24.1	-56.5	-54.8	0.23		
21.0	10.18	3163.8	3153.1	3146.9	3.71	3.46	2.58	-25.5	-53.2	-54.5	0.23		
22.0	10.18	3174.3	3163.3	3157.2	3.55	3.17	2.12	-26.6	-55.7	-52.5	0.23		