

Voltage Controlled Oscillator

ZX95-3060C+

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	10.48	2899.6	2895.0	2892.3	3.73	2.69	1.98	-19.2	-57.0	-49.2	0.33	1	-84
0.25	9.74	2902.1	2897.7	2895.0	3.76	2.72	2.03	-19.1	-57.2	-49.3	0.36	10	-111
1.00	8.33	2909.0	2904.8	2902.2	3.81	2.81	2.15	-19.1	-62.4	-48.6	0.41	100	-132
1.50	8.00	2913.1	2909.0	2906.4	3.84	2.86	2.21	-19.1	-60.2	-48.0	0.43	1000	-152
2.00	7.86	2917.1	2913.0	2910.4	3.86	2.89	2.25	-19.2	-56.4	-47.1	0.45		
2.50	7.84	2921.0	2916.9	2914.3	3.88	2.92	2.28	-19.2	-55.3	-47.9	0.46		
3.00	7.89	2924.9	2920.8	2918.2	3.89	2.95	2.31	-19.1	-55.7	-47.9	0.48		
3.50	8.00	2928.8	2924.8	2922.2	3.92	2.97	2.34	-19.0	-58.6	-47.1	0.49		
4.00	8.14	2932.8	2928.8	2926.1	3.94	3.01	2.36	-19.0	-55.1	-46.7	0.50		
4.50	8.30	2936.9	2932.9	2930.2	3.97	3.04	2.40	-18.8	-51.3	-47.2	0.51		
5.00	8.50	2941.0	2937.0	2934.3	3.98	3.08	2.44	-18.6	-49.4	-46.9	0.52		
5.50	8.71	2945.2	2941.3	2938.5	3.99	3.10	2.47	-18.4	-48.8	-46.8	0.52		
6.00	8.97	2949.5	2945.6	2942.9	3.99	3.13	2.50	-18.3	-50.7	-47.2	0.53		
6.50	9.25	2954.0	2950.1	2947.3	4.00	3.14	2.53	-18.3	-50.8	-47.5	0.53		
7.00	9.57	2958.6	2954.7	2951.9	3.99	3.15	2.54	-18.4	-49.4	-46.8	0.53		
7.50	9.91	2963.3	2959.5	2956.7	4.00	3.15	2.55	-18.5	-47.4	-45.5	0.53		
8.00	10.28	2968.2	2964.5	2961.7	4.00	3.15	2.56	-18.6	-47.1	-44.9	0.52		
8.50	10.68	2973.3	2969.6	2966.8	4.00	3.15	2.57	-18.5	-49.0	-46.1	0.52		
9.00	11.10	2978.5	2974.9	2972.1	3.98	3.16	2.59	-18.1	-49.2	-46.3	0.52		
9.50	11.55	2984.0	2980.5	2977.6	3.95	3.14	2.59	-17.6	-47.9	-45.3	0.51		
10.00	12.02	2989.7	2986.3	2983.4	3.92	3.11	2.57	-17.4	-47.6	-43.9	0.50		
10.50	12.49	2995.6	2992.3	2989.4	3.88	3.08	2.56	-17.1	-49.8	-43.3	0.49		
11.00	12.95	3001.7	2998.5	2995.6	3.82	3.05	2.51	-16.9	-51.8	-43.4	0.48		
11.50	13.35	3008.1	3005.0	3002.1	3.73	2.96	2.46	-16.7	-49.7	-43.6	0.43		
12.00	13.60	3014.6	3011.7	3008.8	3.67	2.87	2.39	-16.7	-48.9	-43.0	0.41		
12.50	13.65	3021.2	3018.5	3015.6	3.63	2.82	2.34	-16.7	-52.0	-42.7	0.35		
13.00	13.50	3027.9	3025.3	3022.4	3.63	2.80	2.33	-16.8	-53.9	-44.1	0.30		
13.50	13.18	3034.5	3032.1	3029.1	3.64	2.82	2.34	-16.5	-52.9	-45.1	0.23		
14.00	12.76	3040.9	3038.6	3035.7	3.65	2.85	2.38	-16.1	-53.8	-43.5	0.16		
15.0	11.59	3053.2	3051.1	3048.2	3.66	2.89	2.43	-15.7	-57.5	-43.4	0.05		
15.5	10.90	3058.8	3056.9	3054.0	3.66	2.92	2.45	-15.6	-56.8	-44.1	0.03		
16.5	9.55	3069.3	3067.5	3064.5	3.59	2.90	2.45	-15.8	-72.6	-42.3	0.03		
17.0	8.98	3074.0	3072.3	3069.3	3.51	2.86	2.41	-15.9	-64.1	-42.2	0.06		
18.0	8.14	3082.8	3081.0	3078.1	3.37	2.73	2.25	-15.9	-73.7	-44.0	0.13		
18.5	7.66	3086.7	3085.1	3082.2	3.34	2.65	2.19	-15.7	-69.1	-43.7	0.17		
19.5	6.41	3093.8	3092.4	3089.4	3.34	2.61	2.25	-15.3	-61.9	-43.2	0.22		
20.0	6.41	3097.0	3095.6	3092.5	3.35	2.64	2.30	-15.1	-63.2	-43.3	0.23		