

Voltage Controlled Oscillator

ZX95-2952A-S+

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	120.9	2656.8	2638.9	2627.7	4.9	5.3	5.4	-20.7	-43.1	-48.5	0.2	1	-71
0.3	111.1	2686.0	2669.1	2659.1	4.8	5.3	5.4	-20.8	-43.0	-48.1	0.6	10	-99
0.5	103.5	2712.9	2696.9	2687.3	4.9	5.1	5.3	-22.5	-43.1	-46.3	0.8	100	-120
0.8	99.5	2738.4	2722.8	2713.6	5.0	5.4	5.3	-22.7	-42.9	-45.9	1.0	1000	-140
1.0	96.5	2763.1	2747.7	2738.7	4.7	5.3	5.5	-21.9	-43.0	-45.3	1.1		
1.3	93.8	2786.9	2771.8	2762.9	5.0	5.1	5.2	-21.8	-44.2	-45.3	1.1		
1.5	93.8	2810.4	2795.2	2786.3	5.1	5.5	5.4	-23.1	-45.7	-47.9	1.2		
1.8	92.1	2833.7	2818.7	2809.6	4.9	5.4	5.6	-22.7	-46.6	-49.0	1.1		
2.0	89.8	2856.9	2841.7	2832.6	4.8	5.3	5.4	-21.5	-45.4	-52.4	1.0		
2.3	84.9	2879.1	2864.2	2855.1	5.0	5.2	5.4	-20.7	-43.2	-53.1	0.8		
2.5	83.7	2900.6	2885.4	2876.6	5.5	5.5	5.4	-21.7	-42.3	-55.6	0.5		
2.8	80.1	2921.2	2906.3	2897.4	5.4	5.8	5.8	-20.7	-39.6	-57.9	0.1		
3.0	74.4	2940.6	2926.3	2917.6	5.2	5.7	5.9	-20.6	-37.0	-57.2	0.3		
3.3	70.4	2959.1	2944.9	2936.6	5.3	5.5	5.7	-20.2	-35.5	-56.8	0.6		
3.5	66.5	2976.7	2962.5	2954.3	5.5	5.6	5.6	-21.2	-36.4	-52.4	0.8		
3.8	62.1	2993.3	2979.1	2970.9	5.6	5.8	5.8	-20.7	-34.7	-51.0	0.8		
4.0	56.6	3008.5	2994.7	2986.5	5.6	5.9	5.9	-20.6	-35.0	-51.6	0.7		
4.3	51.4	3022.4	3008.8	3000.7	5.5	5.9	6.0	-21.2	-34.5	-47.9	0.5		
4.5	46.2	3034.9	3021.7	3013.7	5.5	5.9	6.0	-21.6	-35.5	-49.4	0.3		
4.8	40.9	3046.1	3033.2	3025.4	5.4	5.8	5.9	-22.3	-35.1	-47.9	0.0		
5.0	36.6	3056.2	3043.4	3035.9	5.5	5.8	5.9	-22.9	-35.2	-47.3	0.3		
5.3	32.9	3065.2	3052.6	3045.1	5.6	5.8	5.9	-22.2	-35.2	-46.3	0.7		
5.5	29.7	3073.3	3060.8	3053.4	5.7	5.9	5.9	-21.5	-34.3	-45.7	1.0		
5.8	27.0	3080.6	3068.2	3060.9	5.7	6.0	6.0	-21.6	-34.9	-45.8	1.3		
6.0	24.6	3087.2	3075.0	3067.7	5.7	6.0	6.1	-22.3	-34.7	-45.1	1.6		
6.3	22.5	3093.2	3081.1	3073.9	5.7	6.1	6.1	-22.8	-33.6	-45.0	1.9		
6.5	20.7	3098.6	3086.8	3079.6	5.7	6.1	6.2	-23.2	-33.2	-45.6	2.1		
6.8	19.1	3103.7	3091.9	3084.9	5.7	6.1	6.2	-23.2	-34.1	-44.6	2.2		
7.0	19.1	3108.3	3096.7	3089.7	5.7	6.1	6.2	-23.3	-34.6	-45.6	2.4		

Notes

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