

Voltage Controlled Oscillator

ZX95-2705+

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	143.75	1674.9	1653.4	1630.3	9.8	9.7	8.9	-19.8	-40.7	-38.1	1.69	1	-66
0.5	140.40	1748.2	1725.3	1702.7	9.5	9.5	9.0	-19.7	-35.4	-36.9	2.87	10	-92
1.0	136.86	1821.5	1795.5	1769.9	9.1	9.2	8.9	-20.5	-31.5	-33.1	3.77	100	-114
1.5	136.16	1893.0	1863.9	1836.7	9.1	9.0	8.9	-22.7	-29.1	-32.3	4.58	1000	-133
2.0	135.50	1963.7	1932.0	1903.4	9.0	9.0	8.8	-25.4	-27.8	-32.2	4.50		
2.5	144.75	2033.2	1999.7	1971.1	8.9	8.9	8.7	-28.4	-26.9	-34.7	4.18		
3.0	156.15	2113.2	2072.1	2040.4	9.1	8.8	8.5	-32.4	-27.2	-37.1	3.61		
3.5	148.76	2193.3	2150.2	2115.5	9.3	8.9	8.5	-40.3	-27.3	-33.5	4.65		
4.0	144.76	2267.0	2224.6	2189.9	9.3	8.9	8.5	-46.2	-26.6	-32.2	6.02		
4.5	140.00	2337.6	2297.0	2263.3	9.3	8.8	8.5	-41.6	-26.5	-32.4	5.99		
5.0	132.73	2405.5	2367.0	2335.5	9.1	8.8	8.4	-36.5	-25.7	-35.3	5.62		
5.5	125.49	2469.8	2433.3	2404.6	8.8	8.8	8.3	-30.7	-25.1	-36.4	4.59		
6.0	116.90	2528.8	2496.1	2468.9	8.7	8.7	8.1	-27.1	-26.0	-37.7	3.83		
6.5	105.61	2583.9	2554.5	2526.8	8.7	8.6	8.2	-25.2	-26.4	-35.5	3.46		
7.0	95.52	2636.5	2607.3	2579.9	8.5	8.4	8.2	-23.2	-29.2	-33.2	3.48		
7.5	90.92	2683.8	2655.1	2630.0	8.5	8.4	8.0	-22.1	-30.0	-33.1	3.32		
8.0	80.32	2727.2	2700.5	2674.1	8.4	8.2	8.1	-21.2	-29.8	-36.2	3.46		
8.5	78.63	2768.7	2740.7	2716.3	8.2	8.3	8.0	-20.5	-29.7	-39.3	3.48		
9.0	68.75	2805.0	2780.0	2754.1	8.1	8.0	8.0	-19.4	-30.0	-42.1	3.58		
9.5	69.33	2841.6	2814.4	2790.6	7.9	8.0	7.7	-19.0	-28.9	-46.0	3.53		
10.0	61.16	2873.8	2849.1	2823.1	7.9	7.8	7.8	-18.4	-27.8	-48.2	3.74		
10.5	59.86	2905.4	2879.6	2856.0	7.7	7.7	7.6	-18.1	-27.6	-47.2	3.46		
11.0	57.83	2935.1	2909.6	2884.6	7.5	7.7	7.6	-18.1	-28.0	-49.9	3.83		
11.5	50.85	2962.3	2938.5	2913.9	7.4	7.4	7.5	-17.8	-27.2	-50.7	3.46		
12.0	50.85	2989.2	2963.9	2940.7	7.3	7.5	7.3	-17.4	-28.2	-47.7	3.41		