

Voltage Controlled Oscillator

ZX95-2015+

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	28.83	1948.5	1941.3	1932.4	7.29	7.76	7.81	-30.40	-34.04	-39.32	0.48	1	-86
0.25	25.07	1955.4	1948.5	1940.1	7.35	7.81	7.87	-29.74	-34.34	-39.72	0.59	10	-108
0.50	22.66	1961.4	1954.8	1946.6	7.39	7.86	7.90	-29.30	-34.47	-40.03	0.69	100	-130
0.75	21.06	1966.9	1960.4	1952.5	7.42	7.89	7.92	-28.73	-34.57	-40.66	0.77	1000	-149
1.00	19.79	1972.1	1965.7	1957.9	7.44	7.90	7.93	-28.18	-34.41	-41.83	0.85		
1.25	18.85	1976.9	1970.6	1962.9	7.42	7.90	7.92	-27.88	-33.95	-42.25	0.91		
1.50	18.29	1981.6	1975.4	1967.7	7.39	7.87	7.91	-27.72	-33.43	-42.45	0.97		
1.75	17.78	1986.1	1979.9	1972.4	7.35	7.82	7.88	-27.65	-33.27	-43.04	1.02		
2.00	17.37	1990.5	1984.4	1976.8	7.32	7.78	7.83	-27.57	-33.10	-43.26	1.05		
2.25	17.01	1994.7	1988.7	1981.2	7.27	7.72	7.78	-27.70	-32.67	-43.31	1.09		
2.50	16.71	1998.9	1993.0	1985.5	7.22	7.67	7.72	-27.85	-32.16	-43.44	1.11		
2.75	16.56	2003.1	1997.1	1989.7	7.12	7.62	7.66	-27.93	-31.57	-43.03	1.13		
3.00	16.75	2007.4	2001.3	1993.8	7.03	7.54	7.61	-28.02	-31.25	-43.12	1.17		
3.25	16.68	2011.6	2005.5	1997.9	6.96	7.44	7.55	-28.06	-31.05	-43.01	1.20		
3.50	16.36	2015.7	2009.6	2002.0	6.89	7.36	7.47	-28.31	-30.81	-43.01	1.19		
3.75	16.22	2019.7	2013.7	2006.1	6.83	7.30	7.39	-28.52	-30.42	-43.22	1.20		
4.00	16.16	2023.8	2017.8	2010.2	6.77	7.24	7.32	-28.78	-30.22	-42.90	1.21		
4.25	16.14	2027.8	2021.8	2014.2	6.69	7.18	7.26	-29.06	-30.05	-42.71	1.22		
4.50	16.20	2031.9	2025.9	2018.2	6.59	7.11	7.20	-29.28	-30.02	-42.47	1.24		
4.75	16.39	2036.1	2029.9	2022.2	6.51	7.02	7.15	-29.65	-29.82	-42.42	1.25		
5.00	16.40	2040.1	2034.0	2026.2	6.44	6.93	7.09	-30.06	-29.47	-42.93	1.27		
5.25	16.25	2044.2	2038.1	2030.2	6.36	6.86	7.01	-30.57	-28.94	-42.86	1.27		
5.50	16.40	2048.3	2042.2	2034.3	6.29	6.79	6.93	-31.22	-28.65	-42.64	1.28		
5.75	16.50	2052.4	2046.3	2038.3	6.21	6.72	6.87	-31.75	-28.59	-42.23	1.30		
6.00	16.63	2056.6	2050.4	2042.4	6.14	6.65	6.80	-32.35	-28.71	-42.04	1.31		
6.25	16.80	2060.8	2054.6	2046.4	6.06	6.58	6.74	-33.26	-28.71	-42.02	1.33		
6.50	16.97	2065.0	2058.8	2050.6	6.00	6.51	6.69	-34.39	-28.47	-41.62	1.35		
6.75	16.91	2069.2	2063.0	2054.7	5.93	6.45	6.63	-35.54	-28.16	-41.40	1.37		
7.00	16.91	2073.4	2067.2	2058.9	5.84	6.40	6.58	-36.42	-27.91	-41.21	1.37		