

Voltage Controlled Oscillator

ZX95-2045+

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	48.87	1833.0	1822.5	1813.0	7.27	6.78	6.10	-25.6	-39.0	-54.0	1.09	1	-76
0.25	43.57	1844.4	1834.7	1826.0	7.23	6.71	6.05	-25.5	-36.4	-55.1	0.91	10	-101
0.50	41.96	1855.0	1845.6	1837.5	7.22	6.68	5.96	-25.2	-36.4	-51.6	0.76	100	-123
0.75	40.61	1865.1	1856.1	1848.3	7.22	6.66	5.93	-24.2	-36.2	-50.4	0.59	1000	-143
1.00	40.74	1875.2	1866.3	1858.6	7.22	6.65	5.90	-23.7	-35.2	-46.2	0.47		
1.25	41.47	1885.5	1876.5	1868.7	7.21	6.64	5.88	-24.0	-34.4	-45.3	0.37		
1.50	44.13	1896.2	1886.8	1879.0	7.14	6.61	5.87	-24.2	-34.7	-43.6	0.27		
1.75	45.06	1907.1	1897.9	1889.8	7.09	6.53	5.82	-23.4	-33.2	-42.1	0.18		
2.00	45.79	1918.2	1909.1	1900.9	7.03	6.49	5.75	-22.9	-33.1	-41.6	0.13		
2.25	47.98	1929.7	1920.6	1912.4	6.98	6.42	5.71	-22.6	-33.1	-40.8	0.07		
2.50	49.48	1941.7	1932.6	1924.2	6.94	6.37	5.63	-22.7	-32.4	-41.2	0.02		
2.75	51.55	1954.2	1944.9	1936.5	6.90	6.32	5.58	-22.9	-31.9	-39.9	0.07		
3.00	52.80	1967.2	1957.8	1949.3	6.87	6.27	5.52	-22.1	-32.7	-39.4	0.11		
3.25	54.20	1980.5	1971.0	1962.4	6.84	6.25	5.48	-21.5	-32.2	-37.6	0.08		
3.50	56.11	1994.3	1984.6	1975.8	6.79	6.19	5.45	-21.8	-33.1	-36.5	0.06		
3.75	55.81	2008.5	1998.6	1989.5	6.70	6.15	5.39	-21.9	-32.6	-35.2	0.03		
4.00	53.61	2022.2	2012.6	2003.4	6.63	6.05	5.33	-21.8	-32.1	-34.2	0.16		
4.25	51.52	2035.2	2026.0	2017.0	6.59	5.99	5.25	-21.4	-32.7	-32.1	0.22		
4.50	49.65	2048.0	2038.8	2030.1	6.58	5.96	5.21	-21.5	-31.8	-31.2	0.24		
4.75	48.49	2060.4	2051.3	2042.6	6.61	5.96	5.18	-21.8	-32.3	-30.1	0.26		
5.00	47.38	2072.6	2063.4	2054.7	6.59	5.98	5.19	-21.4	-32.9	-30.0	0.24		
5.25	45.62	2084.5	2075.2	2066.4	6.59	5.96	5.21	-21.1	-32.0	-29.3	0.25		
5.50	44.42	2096.0	2086.6	2077.8	6.56	5.97	5.19	-21.4	-32.7	-29.9	0.25		
5.75	42.40	2107.0	2097.7	2088.9	6.51	5.93	5.19	-22.0	-32.4	-28.8	0.25		
6.00	40.15	2117.6	2108.3	2099.5	6.46	5.89	5.15	-22.4	-31.1	-29.6	0.30		
6.25	38.14	2127.5	2118.4	2109.6	6.41	5.85	5.12	-22.1	-31.1	-30.1	0.34		
6.50	35.86	2136.8	2127.9	2119.2	6.39	5.80	5.09	-21.7	-31.3	-29.9	0.32		
6.75	33.63	2145.6	2136.9	2128.2	6.40	5.78	5.07	-21.7	-31.0	-31.0	0.34		
7.00	33.63	2154.1	2145.3	2136.7	6.41	5.80	5.04	-22.0	-30.5	-31.4	0.38		