

Voltage Controlled Oscillator

ZX95-1845+

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	25.18	1688.1	1668.2	1658.8	1.45	0.93	0.50	-29.6	-28.2	-33.5	0.05	1	-83
0.5	20.55	1700.0	1680.8	1671.9	1.45	0.97	0.57	-30.8	-28.3	-35.6	0.06	10	-104
1.0	18.22	1709.9	1691.0	1682.3	1.42	0.98	0.60	-31.4	-27.3	-36.4	0.11	100	-125
1.5	16.82	1718.9	1700.1	1691.5	1.39	0.99	0.62	-31.8	-27.1	-39.2	0.14	1000	-145
2.0	15.98	1727.2	1708.5	1699.9	1.36	0.99	0.63	-32.0	-27.2	-39.3	0.17		
2.5	15.44	1735.2	1716.5	1707.9	1.39	0.97	0.63	-32.4	-27.0	-40.1	0.19		
3.0	15.12	1742.9	1724.3	1715.6	1.43	0.94	0.61	-32.7	-26.4	-41.1	0.20		
3.5	14.95	1750.4	1731.8	1723.2	1.48	0.95	0.58	-33.1	-26.1	-40.6	0.21		
4.0	14.84	1757.8	1739.3	1730.6	1.57	0.97	0.59	-33.4	-26.2	-40.7	0.22		
4.5	14.83	1765.3	1746.7	1738.0	1.61	1.01	0.62	-33.5	-26.3	-41.0	0.23		
5.0	14.92	1772.8	1754.1	1745.4	1.61	1.08	0.66	-33.7	-26.1	-41.9	0.24		
5.5	15.17	1780.5	1761.6	1752.9	1.58	1.15	0.72	-33.7	-25.7	-41.3	0.25		
6.0	15.51	1788.2	1769.2	1760.4	1.54	1.20	0.80	-33.5	-25.4	-40.7	0.26		
6.5	15.84	1796.1	1776.9	1768.0	1.48	1.20	0.85	-33.7	-25.8	-41.2	0.27		
7.0	16.08	1804.1	1784.8	1775.8	1.43	1.18	0.86	-34.0	-25.7	-41.4	0.28		
7.5	16.23	1812.2	1792.9	1783.8	1.40	1.14	0.85	-34.2	-25.0	-39.8	0.28		
8.0	16.23	1820.5	1801.0	1791.8	1.41	1.10	0.81	-34.0	-24.6	-40.5	0.28		
8.5	16.08	1828.7	1809.1	1799.9	1.41	1.07	0.77	-33.9	-24.8	-39.8	0.27		
9.0	15.73	1836.8	1817.2	1807.8	1.40	1.06	0.74	-33.7	-25.1	-39.0	0.25		
9.5	15.14	1844.7	1825.0	1815.6	1.44	1.09	0.73	-33.8	-24.5	-39.2	0.23		
10.0	14.31	1852.2	1832.6	1823.1	1.50	1.07	0.75	-33.6	-24.0	-39.5	0.22		
10.5	13.34	1859.3	1839.7	1830.3	1.54	1.09	0.75	-33.6	-23.7	-39.0	0.20		
11.0	12.43	1866.1	1846.4	1837.0	1.57	1.14	0.76	-33.7	-24.2	-38.7	0.20		
11.5	11.63	1872.5	1852.6	1843.3	1.61	1.18	0.79	-33.6	-24.5	-38.7	0.21		
12.0	10.96	1878.5	1858.4	1849.1	1.62	1.22	0.84	-33.7	-24.3	-38.2	0.23		
12.5	10.34	1884.1	1863.9	1854.5	1.61	1.25	0.87	-33.7	-23.9	-37.2	0.25		
13.0	9.80	1889.3	1869.1	1859.6	1.57	1.29	0.90	-33.9	-23.7	-36.2	0.27		
13.5	9.32	1894.3	1874.0	1864.5	1.52	1.30	0.93	-33.9	-23.8	-35.8	0.29		
14.0	9.32	1899.0	1878.7	1869.1	1.46	1.31	0.95	-34.0	-24.0	-35.1	0.31		