

Voltage Controlled Oscillator

ZX95-2045R+

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	50.9	1851.2	1839.5	1830.2	7.0	6.9	6.5	-23.8	-36.3	-35.0	2.0	1	-74
0.3	44.6	1862.6	1852.2	1843.8	7.0	6.8	6.5	-23.3	-34.8	-36.2	1.8	10	-101
0.5	42.8	1873.4	1863.4	1855.8	7.0	6.8	6.4	-25.4	-33.8	-36.5	1.5	100	-122
0.8	42.5	1884.0	1874.1	1866.6	7.1	6.8	6.4	-27.0	-32.1	-38.1	1.3	1000	-143
1.0	44.0	1894.9	1884.7	1877.3	7.1	6.8	6.4	-26.4	-31.5	-37.5	1.2		
1.3	44.4	1905.8	1895.7	1888.1	7.0	6.8	6.4	-24.7	-31.2	-37.6	1.1		
1.5	45.5	1916.9	1906.8	1899.2	7.0	6.8	6.4	-24.5	-30.6	-38.1	1.0		
1.8	46.1	1928.2	1918.2	1910.5	6.9	6.7	6.3	-24.0	-30.7	-38.9	0.9		
2.0	48.2	1939.8	1929.7	1922.1	6.9	6.6	6.2	-24.5	-29.7	-40.7	0.8		
2.3	51.0	1952.3	1941.7	1933.9	6.8	6.6	6.2	-26.5	-29.5	-42.3	0.7		
2.5	51.2	1964.7	1954.5	1946.5	6.7	6.5	6.1	-26.1	-28.2	-42.3	0.7		
2.8	52.5	1977.5	1967.3	1959.6	6.7	6.4	6.0	-25.3	-28.6	-41.1	0.6		
3.0	53.9	1990.5	1980.4	1972.7	6.7	6.3	5.9	-23.8	-28.5	-42.5	0.6		
3.3	56.4	2004.2	1993.9	1986.1	6.7	6.4	5.8	-22.8	-28.3	-42.1	0.6		
3.5	58.7	2018.9	2008.0	1999.8	6.7	6.4	5.9	-24.2	-28.5	-43.9	0.7		
3.8	56.1	2033.2	2022.6	2014.3	6.6	6.3	5.8	-25.2	-27.4	-43.0	0.8		
4.0	53.8	2046.8	2036.7	2028.7	6.5	6.2	5.7	-24.7	-26.7	-42.9	1.0		
4.3	53.7	2060.3	2050.1	2042.3	6.5	6.1	5.6	-23.4	-27.4	-40.6	1.0		
4.5	52.6	2073.8	2063.5	2055.7	6.5	6.1	5.6	-23.4	-26.4	-40.2	1.0		
4.8	50.9	2086.7	2076.7	2069.0	6.5	6.1	5.6	-23.9	-27.7	-38.9	1.1		
5.0	48.6	2099.2	2089.4	2081.9	6.4	6.1	5.6	-23.2	-26.8	-38.8	1.1		
5.3	47.8	2111.5	2101.6	2094.2	6.5	6.1	5.5	-23.4	-26.7	-38.3	1.1		
5.5	46.1	2123.5	2113.5	2106.0	6.5	6.1	5.5	-23.4	-27.1	-38.0	1.1		
5.8	42.8	2134.8	2125.0	2117.5	6.4	6.1	5.5	-23.3	-26.8	-37.3	1.2		
6.0	39.1	2145.1	2135.7	2128.4	6.4	6.0	5.5	-23.6	-26.5	-37.7	1.3		
6.3	37.3	2155.0	2145.5	2138.5	6.4	6.0	5.4	-23.6	-26.8	-37.2	1.3		
6.5	34.6	2164.3	2154.8	2147.8	6.4	6.0	5.4	-22.7	-27.2	-36.5	1.2		
6.8	32.7	2173.0	2163.5	2156.5	6.5	6.0	5.4	-22.7	-26.6	-36.3	1.2		
7.0	32.7	2181.2	2171.6	2164.6	6.5	6.1	5.5	-23.4	-26.4	-36.8	1.2		

Notes

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