

Voltage Controlled Oscillator

ZX95-1960-S+

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	9.3	1950.9	1947.0	1944.4	4.9	4.7	3.6	-26.8	-29.2	-47.0	0.2	1	-92
0.3	8.4	1953.1	1949.4	1946.9	5.0	4.7	3.7	-26.6	-29.2	-47.0	0.2	10	-119
0.5	7.9	1955.2	1951.5	1949.0	5.0	4.8	3.8	-26.5	-29.2	-47.5	0.2	100	-139
0.8	7.6	1957.1	1953.4	1951.0	5.1	4.8	3.9	-26.5	-29.2	-47.0	0.1	1000	-158
1.0	7.4	1959.0	1955.3	1952.9	5.1	4.9	3.9	-26.5	-29.4	-46.9	0.1		
1.3	7.3	1960.9	1957.2	1954.8	5.1	4.9	4.0	-26.4	-29.5	-47.2	0.1		
1.5	7.3	1962.7	1959.0	1956.6	5.2	5.0	4.0	-26.4	-29.7	-46.7	0.1		
1.8	7.3	1964.5	1960.8	1958.4	5.2	5.0	4.0	-26.5	-30.0	-46.5	0.1		
2.1	7.5	1966.9	1963.2	1960.8	5.2	5.0	4.1	-26.6	-30.5	-46.4	0.1		
2.3	7.6	1968.3	1964.5	1962.1	5.2	5.1	4.1	-26.6	-30.8	-46.5	0.1		
2.5	7.7	1970.2	1966.4	1964.0	5.3	5.1	4.1	-26.7	-31.3	-46.2	0.1		
2.8	7.9	1972.1	1968.3	1965.9	5.3	5.1	4.1	-26.8	-31.8	-45.7	0.1		
3.0	8.1	1974.1	1970.3	1967.9	5.3	5.1	4.2	-26.9	-32.2	-46.0	0.1		
3.3	8.2	1976.2	1972.3	1969.9	5.3	5.1	4.2	-27.1	-32.5	-46.0	0.1		
3.5	8.2	1978.2	1974.4	1971.9	5.3	5.1	4.2	-27.3	-32.9	-47.2	0.1		
3.8	8.1	1980.3	1976.4	1974.0	5.3	5.2	4.2	-27.4	-33.1	-47.9	0.2		
4.0	7.9	1982.3	1978.5	1976.1	5.3	5.2	4.2	-27.7	-33.6	-47.9	0.3		
4.3	7.6	1984.3	1980.5	1978.1	5.3	5.2	4.2	-27.9	-34.0	-48.4	0.4		
4.5	7.2	1986.2	1982.4	1980.1	5.3	5.2	4.1	-28.2	-34.3	-48.3	0.5		
4.8	6.8	1987.9	1984.2	1982.0	5.3	5.1	4.1	-28.2	-34.8	-47.8	0.5		
5.0	6.2	1989.6	1985.9	1983.7	5.3	5.1	4.1	-28.5	-35.2	-46.8	0.6		
5.3	5.7	1991.1	1987.4	1985.3	5.3	5.1	4.1	-28.8	-35.5	-46.1	0.6		
5.5	5.1	1992.5	1988.8	1986.8	5.3	5.1	4.0	-29.2	-35.9	-46.0	0.7		
5.8	4.5	1993.8	1990.1	1988.1	5.3	5.1	4.0	-29.4	-36.2	-46.2	0.7		
6.0	3.9	1994.9	1991.2	1989.2	5.3	5.1	4.0	-29.5	-36.3	-46.1	0.6		
6.3	3.4	1995.9	1992.2	1990.2	5.3	5.1	4.0	-29.6	-36.2	-46.9	0.6		
6.5	3.0	1996.8	1993.1	1991.1	5.3	5.1	3.9	-29.7	-36.4	-47.2	0.5		
6.8	2.6	1997.6	1993.8	1991.8	5.3	5.1	3.9	-29.9	-36.2	-47.4	0.4		
7.0	2.6	1998.2	1994.5	1992.4	5.3	5.1	3.9	-30.0	-36.3	-47.7	0.4		

Notes

- A. Performance and quality attributes and conditions not expressly stated in this specification document are intended to be excluded and do not form a part of this specification document.
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