

HIGH STABILITY THROUGH HOLE CLOCK OSCILLATORS

SERIES LX71, LX72, AND LX73

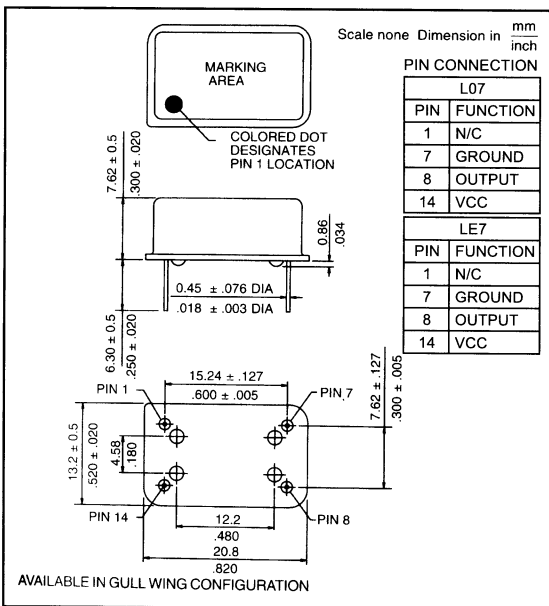
FEATURES

- COST EFFECTIVE MPU CLOCK
- TOLERANCE AND STABILITY TO ± 5 PPM
- CUSTOM SPECIFICATIONS

SPECIFICATIONS

FREQUENCY RANGE	1.00 MHz TO 125.00 MHz
FREQUENCY STABILITY OVER TEMPERATURE RANGE(REF.TO25C)	± 5 PPM TO ± 50 PPM MAX AT VCC= +5.0VDC(SEE TABLE 1)
OPERATING TEMPERATURE RANGE	0°C TO +50°C(NARROW) 0°C TO +70°C(STANDARD) -40°C TO +85°C(EXTENDED) AT VCC=+5.0VDC AND STANDARD LOAD(SEE TABLE1)
STORAGE TEMPERATURE RANGE	-40°C TO +85°C
AGING CHARACTERISTICS	± 4 PPM MAX FOR THE FIRST YEAR AND ± 20 PPM MAX FOR 10 YEARS
OUTPUT WAVEFORM OPTIONS	TTL. HCMOS. OR ACNOS
FREQUENCY STABILITY OVER LOAD VARIATION	± 3 PPM MAX FOR 10% VARIATION AT VCC=+5.0 VDC AT 25°C
SUPPLY VOLTAGE	+5.0 VDC $\pm 5\%$ (3.3 VDC AVAILABLE)
ENABLE DISABLE FUNCTION	CONTROL PIN 1:HIGH OR OPEN(+2.0VDC MIN)OUTPUT PIN 14: ENABLED
FREQUENCY STABILITY OVER SUPPLY VOLTAGE VARIATION	± 5 PPM MAX FOR 5% VARIATION AT VCC=+5.0 VDC AND STANDARD LOAD AT 25°C
SUPPLY CURRENT	50 mA MAX AT VCC=+5.0 VDC AND STANDARD LOAD AT 25°C

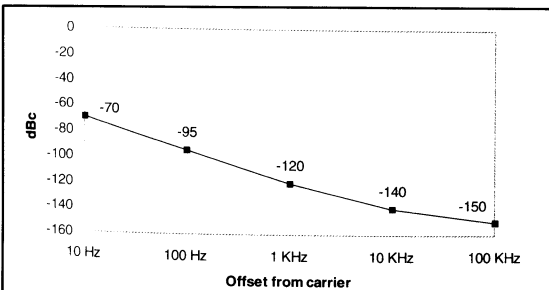
OUTLINE DRAWING



TEMPERATURE RANGE DESIGNATIONS

TABLE1		
CODE	TEMPERATURE RANGE	TEMPERATURE STABILITY
A	0°C TO +50°C	± 5 PPM
B	0°C TO +50°C	± 10 PPM
C	0°C TO +50°C	± 15 PPM
D	0°C TO +50°C	± 20 PPM
E	0°C TO +50°C	± 25 PPM
F	0°C TO +70°C	± 10 PPM
G	0°C TO +70°C	± 15 PPM
H	0°C TO +70°C	± 20 PPM
I	0°C TO +70°C	± 25 PPM
J	0°C TO +70°C	± 35 PPM
K	0°C TO +70°C	± 50 PPM
L	-40°C TO +85°C	± 20 PPM
M	-40°C TO +85°C	± 25 PPM
O	-40°C TO +85°C	± 30 PPM
P	-40°C TO +85°C	± 35 PPM
Q	-40°C TO +85°C	± 50 PPM

PART NUMBERING SYSTEM



MECHANICAL CHARACTERISTICS

MECHANICAL SHOCK	IEC-68-2-27 TEST EA. 30g FOR 18 ms HALFSINE
VIBRATION	IEC 68-2-6(TEST FC) 0.35 mm. 5g, 10-2 kHz. 6 CYCLES AXIS
THERMAL SHOCK	IEC 68-2-14(TEST NA). 30min IN EACH TEMPERATURE EXTREME
SEAL	IEC 68-2-17(TEST QC)
SOLDERING HEAT	IEC 68-2-20A
MECHANICAL	14 PIN DIP, LEADED. PER OUTLINE DRAWING

SERIES	OUTPUT	CODE	FREQUENCY	SYMMETRY
L07 LE7	1 TTL 2 HCMOS 3 ACNOS	A THROUGH M	IN MHz	T(45/55%)

EXAMPLE:
L073-27.000
ACNOS OUTPUT, ± 15 PPM OVER 0°C TO +50°C