

SERIES LX21,LX22,AND LX23

● FEATURES

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

● SPECIFICATIONS

FREQUENCY RANGE	1.00 MHz TO 100.00 MHz
FREQUENCY STABILITY OVER TEMPERATURE RANGE (REF.TO25C)	± 5 PPM TO ± 50 PPM MAX AT VCC = ± 5.0 VDC(SEE TABLE 1)
OPERATING TEMPERATURE RANGE	0 TO +50 (NARROW) 0 TO +70 (STANDARD) -40 TO +85 (EXTENDED) AT VCC =+0.5VDC AND STANDARD LOAD(SEE TABLE 1)
STORAGE TEMPERATURE RANGE	-40 TO +85
AGING CHARACTERISTICS	± 4 PPM MAX FOR THE FIRST YEAR AND ± 20 PPM MAX FOR 10 YEARS
OUTPUT WAVEFORM OPTIONS	TTL. HCMOS. OR ACMOS
SYMMETRY	NORMAL: 40/60% TIGHT: 45/55%(OPTION)
FREQUENCY STABILITY OVER LOAD VARIATION	± 3 PPM MAX FOR 10% VARIATION AT VCC=+5.0 VDC AT 25
SUPPLY VOLTAGE	+0.5 VDC $\pm 5\%$ (3.3 VDC AVAILABLE)
ENABLE DISABLE FUNCTION	CONTROL PIN 1:HIGH OR OPEN(+2.0VDC MIN) OUTPUT PIN 8 : ENABLED
FREQUENCY STABILITY OVER SUPPLY VOLTAGE VARIATION	± 5 PPM MAX FOR 5% VARIATION AT VCC=+5.0VDC AND STNDARD LOAD AT 25
SUPPLY CURRENT	50 mA MAX AT VCC=+5.0 VDC AND ATANDARD LOAD AT 25

● PART NUMBERING SYSTEM

SERIES	-	OUTPUT		-	CODE	-	FREQUENCY	-	SYMMETRY
		1	TTL						
LO2	-	2	HCMOS	-	A THROUGH M	-	IN MHz	-	T(45/55%)
LE2	-	3	ACMOS	-		-		-	

EXAMPLE:

LO 22K 20.000-T

HCMOS OUTPUT ± 50 PPM OVER 0 TO +70

TIGHT SYMMETRY

- MECHANICAL CHARACTERISTICS

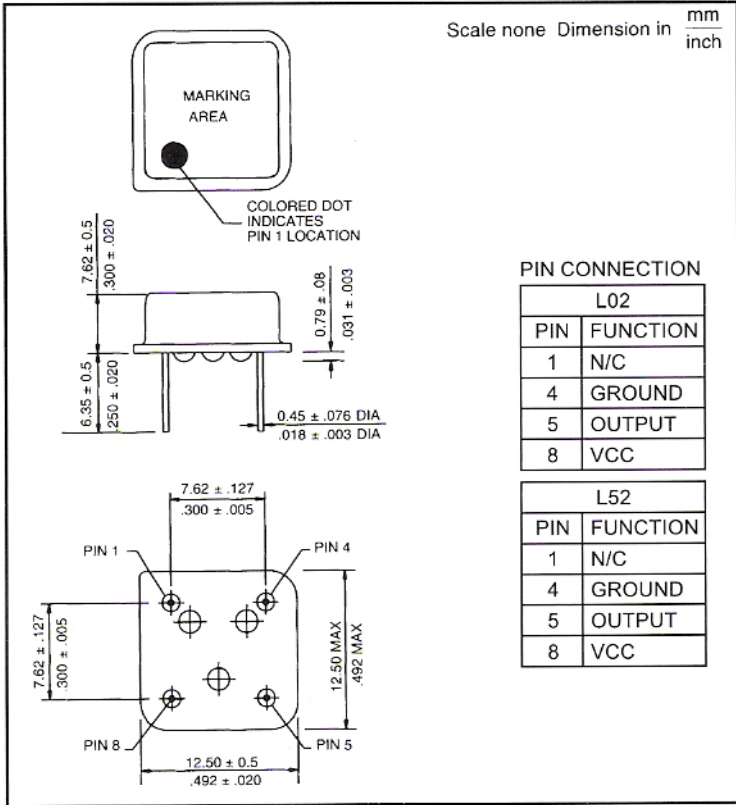
MECHANICAL SHOCK	IEC-68-2-27 TEST EA. 30g FOR 18 ms HALFSINE
VIBRATION	IEC 68-2-6 (TEST FC) 0.35mm. 5g , 10-2 kHz. 6 CYCLE AXIS
THERMAL SHOCK	IEC 68-2-14 (TEST NA).30min IN EACH TEMPERATURE EXTREME
SEAL	IEC 68-2-17 (TEST QC)
SOLDERING HEAT	IEC 68-2-20A
MECHANICAL	14 PIN DIP, LEADED.PER OUTLINE DRAWING

- TEMPERATURE RANCE DESIGNATION

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

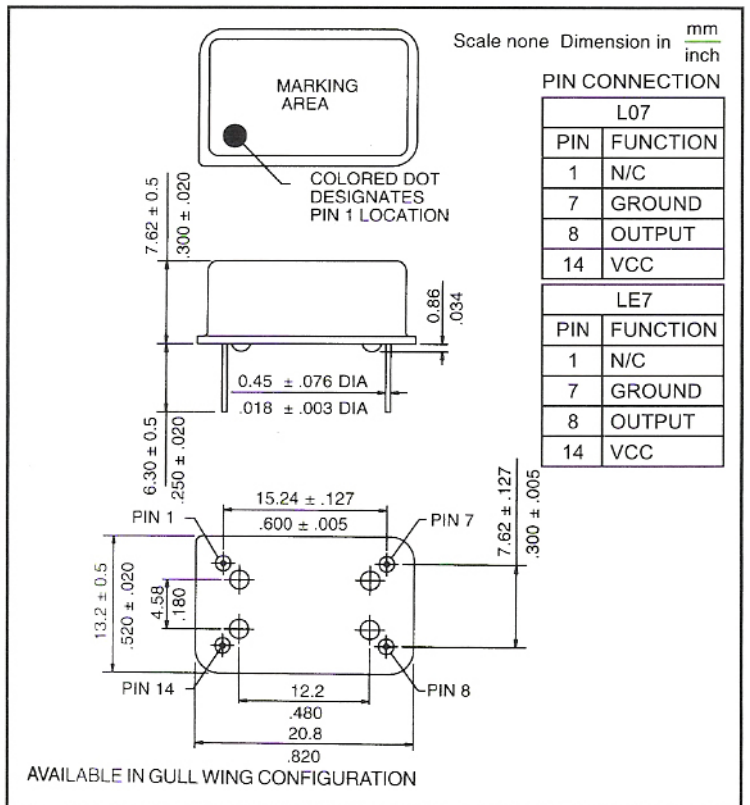
● SERIES LX21 ,LX22 ,and LX23

● OUTLINE DRAWING

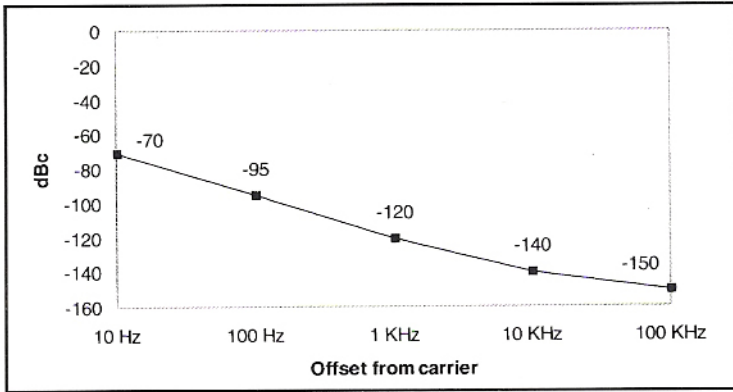


● SERIES LX71,LX72,and LX73

● OUTLINE DRAWING



● PHASE NOISE CHARACTERISTICS



● PART NUMBERING SYSTEM

