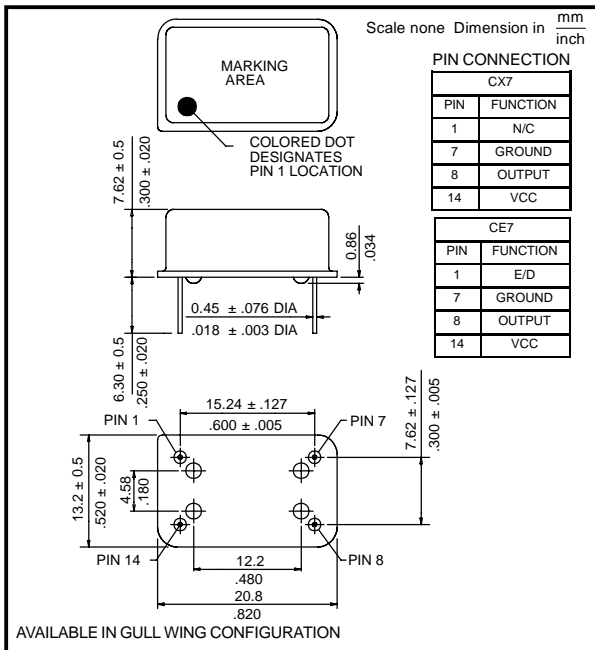


### SERIES CX71, CX72 AND CX73

- **FEATURES**
  - COST EFFECTIVE MPU CLOCK
  - TOLERANCE AND STABILITY TO  $\pm 5$  PPM
  - CUSTOM SPECIFICATIONS
- **SPECIFICATIONS**

FREQUENCY RANGE	1.00 MHz TO 125.00 MHz
FREQUENCY STABILITY OVER TEMPERATURE RANGE (REF. TO 25°C)	$\pm 5$ PPM TO $\pm 50$ PPM MAX AT VCC = +5.0 VDC (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 TABLE 1)
STORAGE TEMPERATURE RANGE	-40°C TO +85°C
AGING CHARACTERISTICS	$\pm 4$ PPM MAX FOR THE FIRST YEAR AND $\pm 20$ PPM MAX FOR 10 YEARS
OUTPUT WAVEFORM OPTIONS	TTL, HCMOS, OR ACNOS
FREQUENCY STABILITY OVER LOAD VARIATION	$\pm 3$ 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 (+2.0 VDC MIN) OUTPUT PIN 14: ENABLED CONTROL PIN 1: LOW OR GND (+0.8 VDC MIN) OUTPUT PIN 14: DISABLED (HIGH Z)
FREQUENCY STABILITY OVER SUPPLY VOLTAGE VARIATION	$\pm 5$ 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

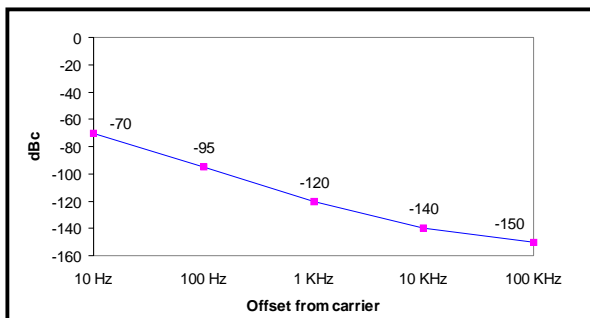
### ● OUTLINE DRAWING



### ● TEMPERATURE RANGE DESIGNATIONS

TABLE 1		
CODE	TEMPERATURE RANGE	TEMPERATURE STABILITY
A	0°C TO +50°C	$\pm 5$ PPM
B	0°C TO +50°C	$\pm 10$ PPM
C	0°C TO +50°C	$\pm 15$ PPM
D	0°C TO +50°C	$\pm 20$ PPM
E	0°C TO +50°C	$\pm 25$ PPM
F	0°C TO +70°C	$\pm 10$ PPM
G	0°C TO +70°C	$\pm 15$ PPM
H	0°C TO +70°C	$\pm 20$ PPM
I	0°C TO +70°C	$\pm 25$ PPM
J	0°C TO +70°C	$\pm 35$ PPM
K	0°C TO +70°C	$\pm 50$ PPM
L	-40°C TO +85°C	$\pm 20$ PPM
M	-40°C TO +85°C	$\pm 25$ PPM
O	-40°C TO +85°C	$\pm 30$ PPM
P	-40°C TO +85°C	$\pm 35$ PPM
Q	-40°C TO +85°C	$\pm 50$ PPM

### ● PHASE NOISE CHARACTERISTICS



### ● 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), 30 min 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

### ● PART NUMBERING SYSTEM

SERIES	OUTPUT	CODE	FREQUENCY	SYMMETRY
CO7	1	A THROUGH M	- IN MHz	- T (45/55%)
CE7	2			
	3			

EXAMPLE:  
CO73B-27.000  
ACNOS OUTPUT,  $\pm 15$  PPM OVER 0° C TO +50° C