# SaRonix

**Frequency Range:** 

**Frequency Stability:** 

**Temperature Range:** 

Supply Voltage:

**Supply Current:** 

**TTL Output:** 

Mechanical:

**Environmental:** 

### **Crystal Clock Oscillator**

Operating:

Symmetry:

0 Level:

1 Level:

Load:

Shock: Solderability:

Vibration:

4+ MHz to 20 MHz:

20+ to 66.6667 MHz:

Rise & Fall Times:

Terminal Strength:

Solvent Resistance:

Gross Leak Test:

Fine Leak Test:

Thermal Shock:

Moisture Resistance:

Resistance to Soldering Heat:

Part Numbering Guide:

Storage:

4.0001 MHz to 66.6667 MHz

-55°C to +125°C

+5 VDC ±10%

Max @ 25°C

30mA

65mA

0.5V max

2.5V min

change, aging, shock and vibration.

40/60% max @ 1.5 VDC level

8ns max: 4+ MHz to 25 MHz 6ns max: 25+ to 66.6667 MHz

MIL-STD-883, Method 2003

MIL-STD-202, Method 215

MIL-STD-883, Method 1004

1 to 10 TTL gates (1.6mA per gate)

MIL-STD-883, Method 2002, Condition B

MIL-STD-883, Method 2004, Condition B2

MIL-STD-202, Method 210, Condition A, B or C

MIL-STD-883, Method 2007, Condition A

MIL-STD-883, Method 1014, Condition C

MIL-STD-883, Method 1014, Condition A

MIL-STD-883, Method 1011, Condition A

 $\pm 25$ ,  $\pm 50$  or  $\pm 100$  ppm over all conditions: calibration tolerance, operating temperature, input voltage change, load

Max over Temperature

40mA

70mA

0°C to +70°C or -40 to +85°C(limited frequencies)

### 5V, True TTL

### Technical Data

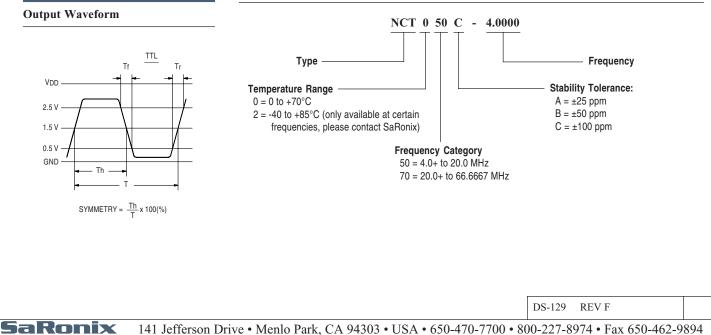


#### Description

A crystal controlled, hybrid oscillator circuit that produces a true TTL output characteristic at frequencies between 4.0001 MHz and 66.6667 MHz. The device is mounted in a 14-pin DIP-compatible, all metal hermetic package. Physically and functionally interchangeable with all major manufacturers' devices.

#### **Applications & Features**

- Ideal for high performance RISC and CISC based products
- True TTL level for low EMI
- Broad frequency range to 66.6667 MHz
- See NCH630x to replace NCT040x



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**NCT Series** 



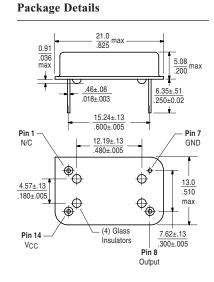
## Crystal Clock Oscillator

### 5V, True TTL

**NCT Series** 

### Technical Data

### \_\_\_\_\_



### Standard Marking Format \*

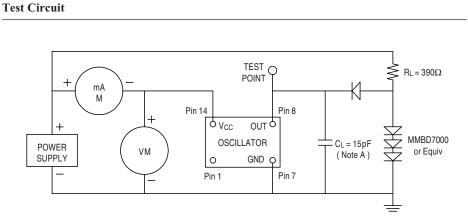
Includes Date Code, Frequency & Part Number

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|--------------------|--------|
|                    |        |

Denotes Pin 1

\* Exact locations of items may vary

Scale: None (Dimensions in mm inches)



NOTE A: CL Includes probe and fixture capacitance

All specifications are subject to change without notice.

DS-129 REV F