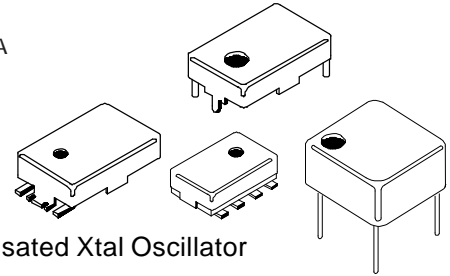




# Pletronics, Inc.

19013 36th Ave. W, Suite H • Lynnwood, WA 98036 USA  
 Manufacturer of High Quality Frequency Control Products



## TC4 TCXO Series

- Surface Mount or Full Size Metal Thru-Hole Temperature Compensated Xtal Oscillator
- HCMOS, Clipped Sine Wave or Sine Wave Compatible

**10.00 MHz – 60.00 MHz**

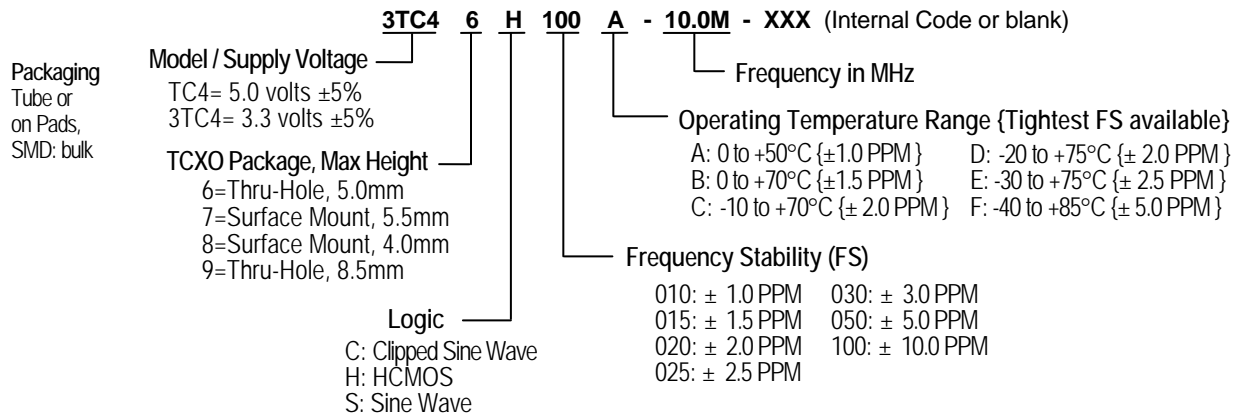
### Standard Specifications

Operating Temperature Range	0 to +50°C to -40 to +85°C available		
Overall Frequency Stability	vs. Temp	± 1.0 to ± 10 PPM over Operating Temperature Range available	
	vs. Vcc / Load Aging	± 0.5 PPM maximum over Vcc ± 5% / ± 0.3 PPM maximum over Load ± 5% ± 3 PPM first year, ± 1 PPM per year thereafter at 25°C ± 5%	
Frequency Adj by Trimmer	± 3 PPM minimum		
Supply Voltage (Vcc)	5.0 volts and 3.3 volts available		
Output Logic	HCMOS	Clipped Sine Wave	Sine Wave
Output Voltage Levels	Logic "1" 90% of Vcc min	1 volt p-p minimum	Consult Factory
	Logic "0" 10% of Vcc max		
Supply Current (Icc)	20 to 40 mA max	2 to 5 mA max	
Output Load (see Test Circuit 1)	10 TTL Loads or 15pF	10 K // 10 pF	

On Test Circuit for Clipped Sine Wave only: Add a 20 K resistor from output to ground

### Part Numbering Guide

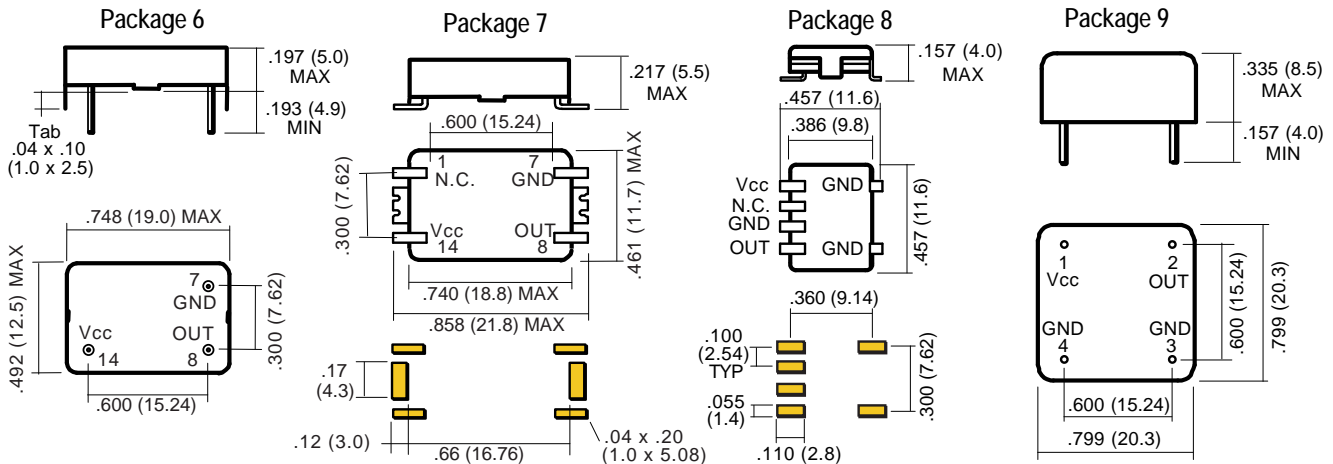
Portions of the part number that appear after the frequency may not be marked on part (C of C provided)



Consult factory for available frequencies and specs. Not all options available for all frequencies. A special part number may be assigned. Frequency Stability is inclusive of frequency shifts due to calibration, temperature, supply voltage, shock, vibration and load

### Mechanical: inches (mm) not to scale

Due to part size and factory abilities, part marking may vary from lot to lot and may contain our part number or an internal code.



Timmer hole locations may vary

Jan 2003