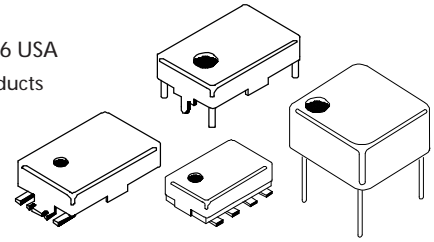




Pletronics, Inc.

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



TV4 TCVCXO Series

- Surface Mount or Full Size Metal Thru-Hole Temp. Compensated Voltage Controlled 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 ± 15 PPM over Operating Temperature Range available	
	vs. Vcc / Load Aging	± 0.5 PPM maximum over Vcc ± 5% / ± 0.3 PPM maximum over Load ± 5%	
Frequency Adj by Trimmer	± 3 PPM first year, ± 1 PPM per year thereafter at 25°C ± 5%		
Supply Voltage (Vcc)	± 3 PPM minimum		
Output Logic	HCMOS	Clipped Sine Wave	Sine Wave
Output Voltage Levels	Logic "1" 90% of Vcc min Logic "0" 10% of Vcc max	1 volt p-p minimum	Consult Factory
Supply Current (Icc)	20 to 40 mA max	2 to 5 mA max	
Output Load (see Test Circuit 7)	10 TTL Loads or 15pF	10 K // 10 pF	
Control Voltage Range (CVR)	0.5 to 4.5 volts for 5.0 volt Supply; 0.0 to 3.3 volts for 3.3 volt Supply		
Pullability over CVR	± 5, 10, 15 PPM. Consult factory for ± 25 PPM.		
Linearity	± 10% (Consult factory for ± 5%)		

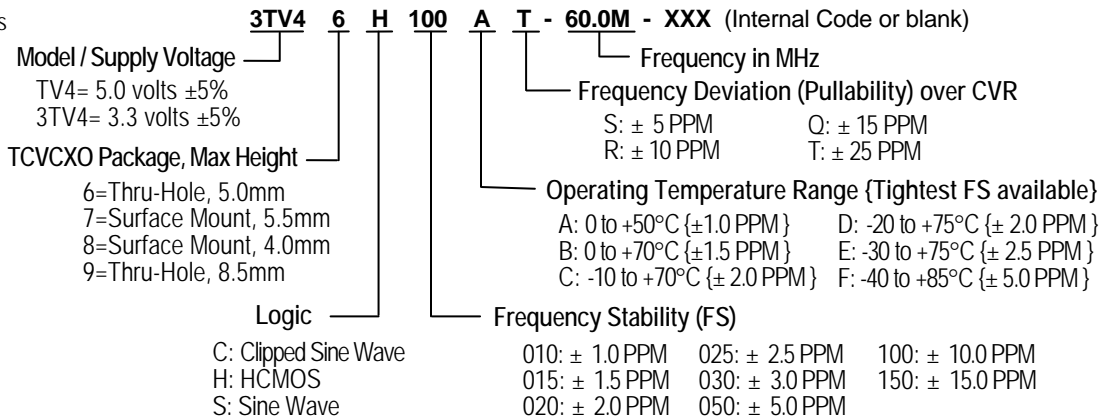
On Test Circuit for Clipped Sine Wave only: Add a 20 K resistor from output to ground

Part Numbering Guide

Consult factory for available frequencies and specs. Not all options available for all frequencies. A special p/n may be assigned.

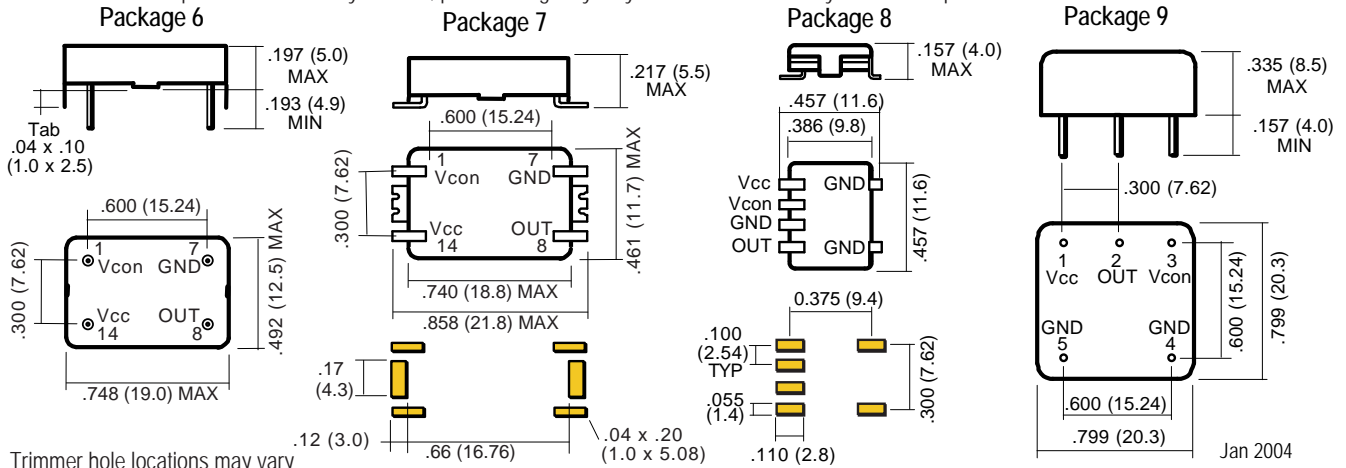
Frequency Stability is inclusive of frequency shifts due to calibration, temperature, supply voltage, shock, vibration and load

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



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.



Trimmer hole locations may vary

Jan 2004