

PART NUMBERING GUIDE

Environmental/Mechanical Specifications on page F5

CVTC 3 25 B 5 - 12.800M	
Supply Voltage 3=3.3Vdc / 5=5.0Vdc	Frequency M=MHz
Frequency Stability Table 1	
Operating Temp. Range Table 1	Frequency Deviation Blank=No Connection (TCXO) 5=±5ppm Min. / 10=±10ppm Min.

ELECTRICAL SPECIFICATIONS

Revision: 2004-B

Frequency Range	12.800MHz, 13.000MHz, 14.400MHz, 16.800MHz, 19.440MHz
Frequency Stability	All values inclusive of temperature, aging, and load See Table 1 Below.
Operating Temperature Range	See Table 1 Below.
Storage Temperature Range	-40°C to 85°C
Supply Voltage	+3.3Vdc ±5% or +5.0Vdc ±5%
Load Drive / (Change Capability)	10kOhms ±10% // 10pF ±10% (±0.2ppm)
Output Voltage	0.8Vp-p Minimum
Frequency Control Range (Change)	+1.5Vdc ±1V Positive Transfer Characteristics (±9 to ±15)
Frequency Deviation	±5ppm Minimum Over Control Voltage
Aging (@ 25°C)	±1ppm / year Maximum
Input Current	1.5mA Maximum

MECHANICAL DIMENSIONS

Marking Guide on page F3-F4

All Dimensions in mm.

The drawing shows the physical dimensions of the oscillator. The top view is a rectangle with a width of 3.20 ± 0.20 mm and a height of 5.0 ± 0.20 mm. The side view shows a thickness of 1.7 mm (maximum) and a metal layer thickness of 0.08 ± 0.10 mm (X4 places). The pin view shows four pins with a pitch of 1.67 ± 0.10 mm. Pin 1 is 0.07 ± 0.10 mm (X4 places) from the edge. Pin 2 is 3.28 ± 0.10 mm from the edge. Pin 3 is 2.20 ± 0.15 mm from the edge. Pin 4 is 1.67 ± 0.10 mm from the edge. The ceramic body is 1.7 mm thick.

Operating Temperature		Frequency Stability (±ppm) * Denotes Availability of Options					
Range	Code	1.5ppm	2.0ppm	2.5ppm	3.0ppm	3.5ppm	5.0ppm
		15	20	25	30	35	50
-20 to 75°C	A	*	*	*	*	*	*
-30 to 75°C	B			*	*	*	*
-30 to 80°C	C			*	*	*	*

PIN Connections

Pin 1 / V Control	Pin 2 / GND
Pin 3 / OUTPUT	Pin 4 / Vcc