CVTC Series (5X3.2X1.7mm)

4 Pad Clipped Sinewave VC - TCXO Oscillator

Lead-Free
RoHS Compliant

C A L I B E R
Electronics Inc.

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 Stability
Table 1

Operating Temp. Range
Table 1

Frequency
M=MHz

Frequency Deviation
Blank=No Connection (TCXO)
5=±5ppm Min. / 10=±10ppm Min.

ELECTRICAL SPECIFICATIONS

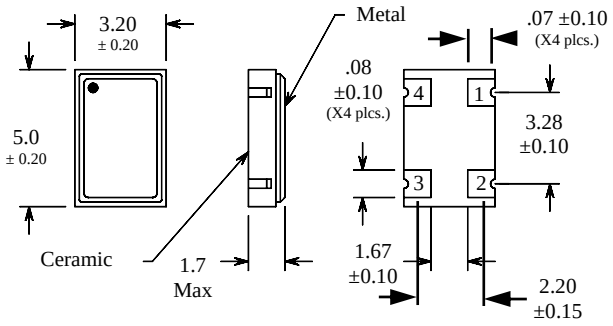
Revision: 2004-B

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.



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

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