

## CM031005 SPECIFICATIONS

Holder: HC-45/U

Frequency: See Table

Mode: Fundamental

Load Capacitance: TBD

Frequency stability:  $\pm 150$  ppm,  $-15^{\circ}$  to  $175^{\circ}\text{C}$  with respect to nominal frequency.


Series Resistance: 25 ohms Max.

Reference HC-45/U Cold Weld Small Footprint Outline drawing for dimensions.

A sample of crystals from each production run shall be subjected to vibration in accordance with MIL-STD-202, Method 204, Test Condition D except the frequency range shall be 10 Hz to 500 Hz. The change in operating frequency of the crystals shall not exceed 5 ppm, and the change in series resistance shall not exceed 10%.

Part Number	Frequency	Motional Capacitance
CM031005-12	12.000 MHz	12.0 pF
CM031005-16	16.000 MHz	16.0 pF
CM031005-18	18.432 MHz	18.0 pF
CM031005-25	25.000 MHz	20.0 pF

Crystals are manufactured for high temperature operation up to  $175^{\circ}\text{C}$ : holder, leads, and electrodes are Gold plated. Polyimide cement is used internally.

APPROVALS	NAME	INITIALS	DATE	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES:  FRACTIONS 2 - PLACE 3 - PLACE ANGLES DECIMALS DECIMALS  $\pm 1/64"$ $\pm 0.020"$ $\pm 0.005"$ $\pm 1/2^{\circ}$			
DRAWN							
ENGINEERING MANAGER							
PRODUCTION MANAGER							
QUALITY ASSURANCE							
 <b>VI CINOX</b> A DOVER COMPANY		DRAWING NUMBER		CM031005		REV.	
		Fundamental Mode High Temperature AT-Cut Crystal					
<b>VI CINOX</b> 4914 Gray Road - Cincinnati, OH 45232		FSCM NUMBER 58997	SCALE	DATE ISSUED 3/23/2005	SIZE A	SHEET 1 OF 1	

# Mouser Electronics

Authorized Distributor

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