


Quartz Crystal Specification

Frequency	5.00000 MHz
Cut	SC-cut
Vibration Mode	3 rd overtone
Holder	HC-37, 0.200" (5.08 mm) maximum height
Calibration Tolerance	±1.5 ppm at 95 °C
Load Capacitance	20 pF
Frequency-Temperature Stability	LTP from 90 to 100 °C
Motional Resistance Rs	175 ohms maximum
Motional Capacitance C1	0.127± 15% fF
Shunt Capacitance C0	2.4 pF nominal
Quality Factor Q	1,400,000 minimum
Drive Level	100 uW
G-sensitivity	< 1.5 ppb/g per axis met by design, not tested
Aging	≤± 0.02 ppm/year after 30 days
Marking	1. P/N 2. Frequency 3. Bar code with S/N - data to be provided
Environmental	Shock: MIL-STD-202G, M213 Condition C - 100 g, 6 msec, ½ sine Vibration: MIL-STD-202G, M204 Condition C, 10 g peak, 55 to 2000 Hz, 1 sweep per axis Solderability, Seal and Workmanship per MIL-PRF-3098
RoHS	Parts are RoHS compliant

Revision		Date	Description			Approved
APPROVALS		DATE	 CROVEN CRYSTALS Wenzel International, Inc.			
ENG	W. Zhang	27-Jul-2023	CAGE CODE	SIZE	DWG. NO.	REV
SALES	C. Visniar	27-Jul-2023	00809	A	CC3173-5	-
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Note: Specifications subject to change – consult factory for latest revision.