


Quartz Crystal Specification

Frequency	10.000000 MHz
Cut	SC-cut
Vibration Mode	3 rd overtone
Holder	HC-43, 0.530" (13.46 mm) maximum height
Calibration Tolerance	± 2 ppm at 85 °C
Load Capacitance	20 pF
Frequency-Temperature Stability	TOP from 80 to 90 °C
Motional Resistance Rs	100 ohms maximum
Motional Capacitance C1	0.175 fF typical
Shunt Capacitance C0	2.8 to 3.5 pF
Quality Factor Q	> 1,000,000
Drive Level	< 100 u W
Retrace	< ± 0.01 ppm within 1 hr following 24 hrs off power
Aging	≤ ± 0.05 ppm/year after 30 days
Marking	1. Frequency 2. Date Code 3.Bar code Label with S/N – standard electrical 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

C	20-Aug-20	Add Date Code to Marking	CV
B	11-Mar-13	Revise C1/C0 values to std design 13003006	LM
A	24-Jan-12	Remove Part Number Marking	C. Visniar

Revision		Date	Description			Approved
APPROVALS		DATE				
ENG	D. Scepanovic	05-Feb-2010	CAGE CODE	SIZE	DWG. NO.	REV
SALES	G. Johnston	05-Feb-2010	00809	A	CC5062	C
						SHEET 1 OF 1

500 Beech Street, Whitby, Ontario, Canada, L1N 5S5
crovensales@croven crystals.com

Note: Specifications subject to change. Consult factory for latest revision.