


Quartz Crystal Specification

Frequency	120.000000 MHz
Cut	SC-cut
Vibration Mode	5 th overtone
Holder	HC-35, 0.220" (5.59 mm) max height, lead length 4 mm (0.158") typical
Calibration Tolerance	± 5 ppm at 87 °C
Load Capacitance	Series
Frequency-Temperature Stability	TOP from 80 to 95 °C
Motional Resistance Rs	100 ohms maximum
Motional Capacitance C1	0.15 fF typical
Shunt Capacitance C0	3.5 to 4.5 pF
Quality Factor Q	>100k
Drive Level	100 µW
G-sensitivity	< ± 0.5 ppb/g per axis (design goal only)
Aging	< ± 120 ppb/year after 30 days
Marking	1. Frequency 2. Bar Code with Serial Number – 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

B	15-Sep-2015	g-sens design goal only, Co 4.5 pF max CCN	LM
A	3-Apr-2014	P/N removed from Marking Requirements	CV

Revision	Date	Description	Approved
APPROVALS		 CROVEN CRYSTALS Wenzel International, Inc.	
ENG	R. Dowler	18-Dec-2008	CAGE CODE SIZE DWG. NO. REV
SALES	G. Johnston	18-Dec-2008	00809 A CC1043 B
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