


# Quartz Crystal Specification

Frequency	<b>100.000000 MHz</b>
Cut	SC-cut
Vibration Mode	5 <sup>th</sup> overtone
Holder	SM1
Calibration Tolerance	± 5 ppm at 87 °C
Load Capacitance	Series
Frequency-Temperature Stability	LTP from 80 to 95 °C
Motional Resistance Rs	100 ohms maximum
Motional Capacitance C1	0.15 fF nominal
Shunt Capacitance C0	3.0 to 4.5 pF nominal
Quality Factor Q	≥ 100,000
G-sensitivity	< ± 0.5 ppb/g per axis (not tested)
Drive Level	≤ 100 uW
Aging	< ± 0.3 ppm/yr after 30 days
Marking	1. Bar code label with Serial Number – 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

Revision		Date	Description			Approved
APPROVALS		DATE	 <b>CROVEN CRYSTALS</b> Wenzel International, Inc.			
ENG	D. Scepanovic	03-May-2012	CAGE CODE	SIZE	DWG. NO.	REV
SALES	C. Visniar	03-May-2012	<b>00809</b>	<b>A</b>	<b>CC9007</b>	-
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