

Quartz Crystal Specification

Frequency	100.000000 MHz
Cut	SC-cut
Vibration Mode	5 th overtone
Holder	HC-35, 0.220" (5.58 mm) maximum height
Calibration Tolerance	± 5 ppm at 85 °C
Load Capacitance	20 pF ± 1 pF
Frequency-Temperature Stability	LTP from 80 to 90 °C
Motional Resistance Rs	100 ohms maximum
Motional Capacitance C1	0.17 fF nominal
Shunt Capacitance C0	3.3 pF nominal
Motional Inductance L1	n/a
Quality Factor Q	> 110,000
Drive Level	100 µW
Aging	< ± 1 ppb/day after 30 days
Marking	1. Bar code label 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

A		17-Dec-2008	Added Q of 110k min CCN 0812011			LM
Revision		Date	Description			Approved
APPROVALS		DATE				
ENG	R. Dowler	23-Jun-2008	CAGE CODE	SIZE	DWG. NO.	REV
SALES	G. Johnston	23-Jun-2008	00809	A	CC1027	A
			SHEET 1 OF 1			

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Note: Specifications subject to change – consult the factory for the latest revision.