


Quartz Crystal Specification

Frequency	100.000000 MHz
Cut	SC-cut
Vibration Mode	5 th overtone
Holder	HC-45, 0.342" (8.69 mm) maximum height
Calibration Tolerance	+ 2.5 to +12.5 ppm @ +85 °C
Load Capacitance	Series
Frequency-Temperature Stability	LTP from 80 to 90 °C
Motional Resistance Rs	110 ohms maximum
Motional Capacitance C1	0.15 fF typical
Shunt Capacitance C0	3.7 pF typical
Quality Factor Q	> 110,000
BSR	8 ohms max. variation over -55° C to +85° C
Drive Level	≤ 100 uW
Aging	< ± 0.25 ppm/year in the first year after 30 days on, < ± 0.15 ppm/year in the second year
Marking	1. 2D laser 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

B	04-Mar-2019	2D laser marking change	C. Visniar
A	12-Aug-2011	Remove ΔESR Spec & replace with BSR spec	C. Visniar

Revision	Date	Description	Approved
APPROVALS			
ENG	R. Dowler	27-Mar-2009	CAGE CODE
SALES	G. Johnston	27-Mar-2009	00809
			A
			CC6008
			B
SHEET 1 OF 1			

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