


# Quartz Crystal Specification

Frequency	<b>100.000000 MHz</b>
Cut	SC-cut
Vibration Mode	5 <sup>th</sup> overtone
Holder	TO-5 LP, 0.147" PC, 0.155" (3,94 mm) max height, 4 external leads
Calibration Tolerance	± 5.0 ppm at 87 °C
Load Capacitance	Series
Frequency-Temperature Stability	LTP from 80 to 95 °C
Motional Resistance Rs	100 ohms maximum
Shunt Capacitance C0	2.5 pF to 4.5 pF
Quality Factor Q	> 110,000
Drive Level	100 µW
G-sensitivity	< ± 0.5 ppb/g per axis
Aging	< ± 0.1 ppm per year after 30 days of operation
Marking	1. Part No. 2. Frequency 3. Bar code label with S/N – 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

E	5 Sept 2017	Add P/N to Marking Requirements	CV
D	3 April 2014	Removed P/N from Marking Requirements	CV
C	29-Nov-2012	Change Q from >100k to >110k CCN1211027	LM
B	25-Jun-2012	Added P/N to Marking Requirements	C. Visniar
A	24-Jan-2012	Removed P/N & Added Frequency Marking	C. Visniar

Revision	Date	Description	Approved
APPROVALS		DATE	
			
ENG	R. Dowler	18-Nov-2009	CAGE CODE
SALES	G. Johnston	18-Nov-2009	00809
			A
			CC1075
			E
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