


Quartz Crystal Specification

Frequency	10.000000 MHz
Cut	SC-cut
Vibration Mode	3 rd overtone
Holder	HC-37, 0.160" (4.06 mm) maximum height
Calibration Tolerance	± 1.5ppm at 90 °C
Load Capacitance	22 pF
Frequency-Temperature Stability	LTP from 80 to 95 °C
Motional Resistance Rs	100 ohms maximum
Motional Capacitance C1	0.16 fF typical
Shunt Capacitance C0	2.9 pF nominal
Quality Factor Q	> 1,100,000
Drive Level	100 µW
Aging	< ± 0.1 ppb/day and < ± 0.03 ppm/year after 30 days
Retrace	< ± 10 ppb within 1 hr after 24 hrs off
Marking	1. Part number 2. Turn over point 3. 2D laser barcode with S/N – 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

APPROVALS		DATE				
ENG	W. Zhang	31-Oct-2022	CAGE CODE	SIZE	DWG. NO.	REV
SALES	C. Visniar	31-Oct-2022	00809	A	CC3169-10	-
					SHEET 1 of 1	

500 Beech Street, Whitby, Ontario, Canada, L1N 5S5

crovensales@crovencrystals.com

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