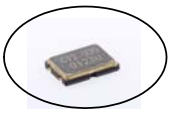
CSX1 Model
5X7 mm Low Profile SMD Crystal

Quartz Crystal



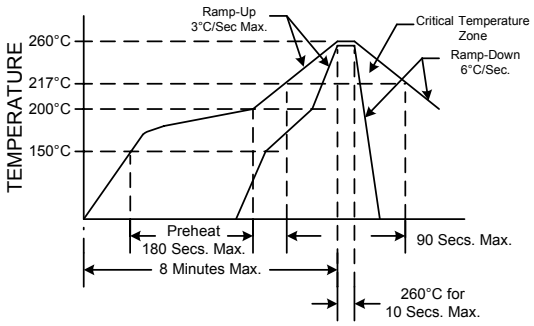
Designed to meet the precision and space requirements needed for wireless applications.

Frequency Range:	8MHz to 49.152MHz (fund)
Calibration Tolerance:	±10ppm to ±50ppm
Frequency Stability:	±10ppm to ±100ppm
Temperature Ranges:	0°C to 70°C -20°C to 70°C -40°C to 85°C
Storage:	-40°C to 85°C
Shunt Capacitance:	5.0pF Max
Drive Level:	50 uW Typical, 300uW Max
Aging:	± 3ppm Max 1st/yr
ESR:	see table 1
Packaging:	1K Tape and Reel

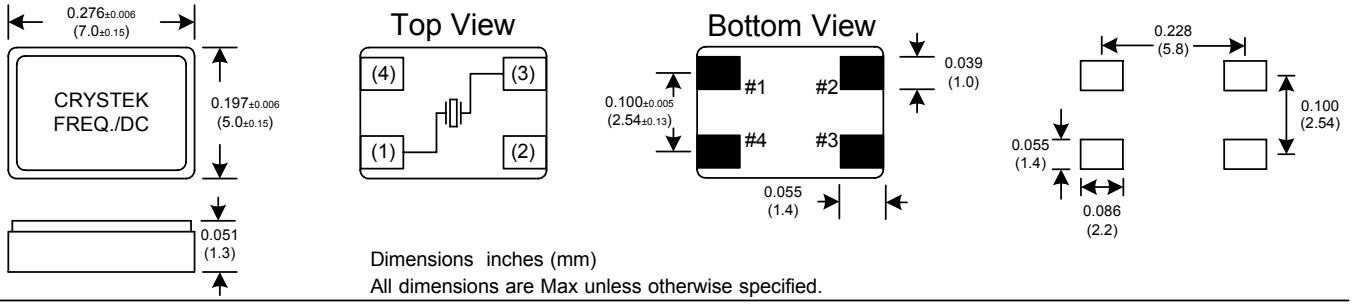
Lead Free RoHS Compliant

**** Custom Designs Available**

RECOMMENDED REFLOW SOLDERING PROFILE



NOTE: Reflow Profile with 240°C peak also acceptable.



Dimensions inches (mm)
All dimensions are Max unless otherwise specified.

Build Your Own P/N

CSX1-XX-XX-Freq

Frequency Tolerance at 25°C

A	±10 ppm
B	±25 ppm
C	±50 ppm

Frequency Stability over Temp Range

M	±10 ppm	(0 to 70°C)
N	±15 ppm	(0 to 70°C)
O	±20 ppm	(0 to 70°C)
P	±25 ppm	(0 to 70°C)
R	±50 ppm	(0 to 70°C)
S	±100 ppm	(0 to 70°C)
A	±10 ppm	(-20 to 70°C)
E	±20 ppm	(-20 to 70°C)
B	±25 ppm	(-20 to 70°C)
C	±50 ppm	(-20 to 70°C)
D	±100 ppm	(-20 to 70°C)
H	±20 ppm	(-40 to 85°C)
J	±25 ppm	(-40 to 85°C)
K	±50 ppm	(-40 to 85°C)
L	±100 ppm	(-40 to 85°C)

Load Capacitance

S=	Series
14=	14 pF
16=	16 pF
18=	18 pF
20=	20 pF
22=	22 pF
25=	25 pF
32=	32 pF

Resistance at series resonance

Freq. (MHz)	Max ESR
8.0 - 20.0 (F)	50
20.1 - 49.0 (F)	40

Table 1

PIN	Signal
1	Crystal
2	GND
3	Crystal
4	GND

Example:

CSX1-AB-18-45.000 = ±10ppm at 25°C, ±25ppm -20 to 70°C, 18pF Load Cap, 45.000MHz

Specifications subject to change without notice. TD-021009 Rev. E

Crystek Crystals Corporation 12730 Commonwealth Drive • Fort Myers, FL 33913
239.561.3311 • 800.237.3061 • FAX: 239.561.1025 • www.crystek.com