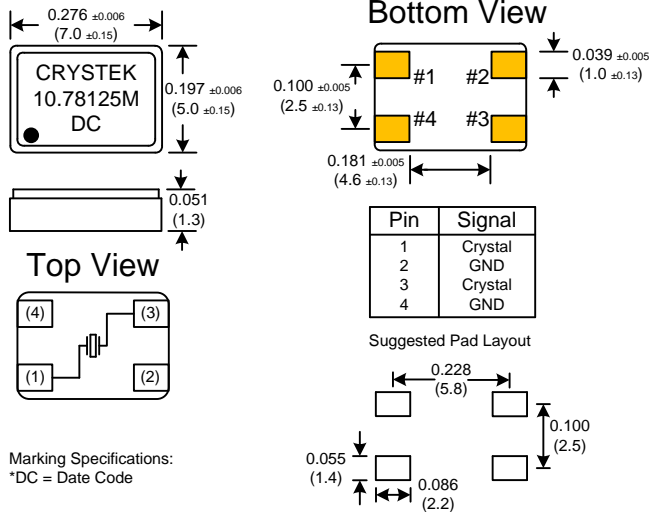


Quartz Crystal

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

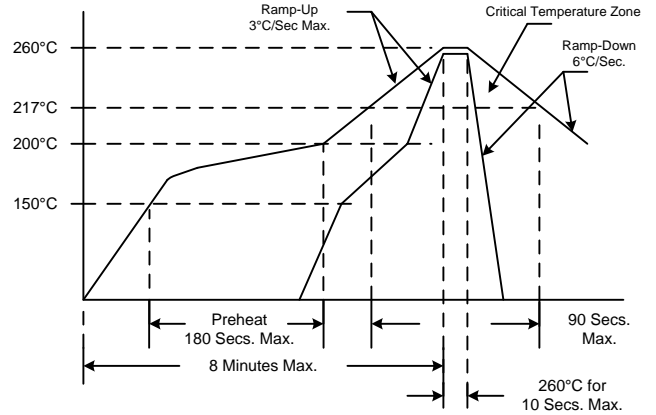
CSX1 Model

5x7 mm Low Profile SMD Crystal



Dimensions inches (mm)
All dimensions are maximum unless otherwise specified

RECOMMENDED REFLOW SOLDERING PROFILE



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

Packaging Specifications:

1K ea. Tape and Real

Crystal Specifications

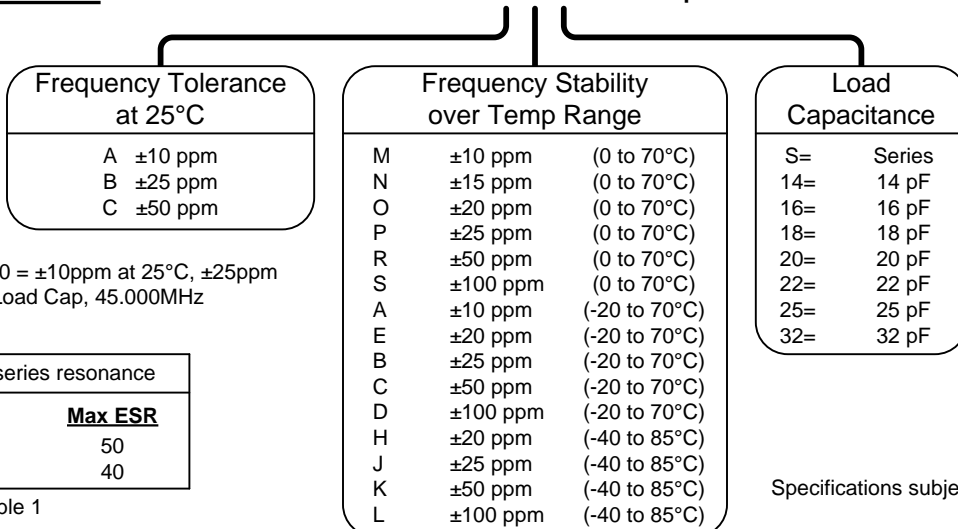
Frequency Range: 8.000MHz to 49.152MHz (Fund)
Calibration Tolerance: ±10ppm to ±50ppm
Frequency Stability: ±10ppm to ±100ppm
Operating Temp. Ranges: 0°C to 70°C
-20°C to 70°C
-40°C to 85°C
Storage Temp. Range: -40°C to 85°C
Resistance: See Table 1
Shunt Cap: 5pF Max
Holder Type: 5x7mm SMD

Aging: ±3ppm/1st yr Max
Drive level: 50uW Typical, 300uW Max
Motional Capacitance: Not Specified
Spurious Response: Not Specified
C0/C1 Ratio: Not Specified
Pullability: Not Specified
Trim Sensitivity: Not Specified
Temp. Coefficient: Not Specified

Custom Designs Available

Build Your Own P/N

CSX1-XX-XX-Freq



Example:

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

Resistance at series resonance	
Freq. (MHz)	Max ESR
8.0 - 20.0 (F)	50
20.1 - 49.0 (F)	40

Table 1

Specifications subject to change without notice.

TD-021009 Rev. F