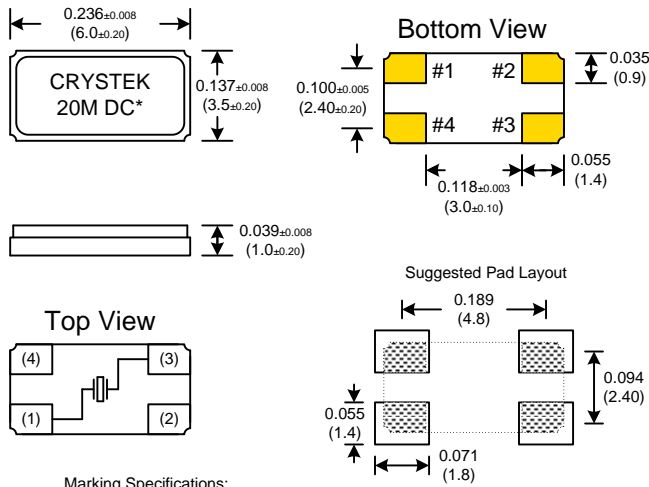


Quartz Crystal

CSX2 Model

3.5x6.0 mm Low Profile SMD Crystal

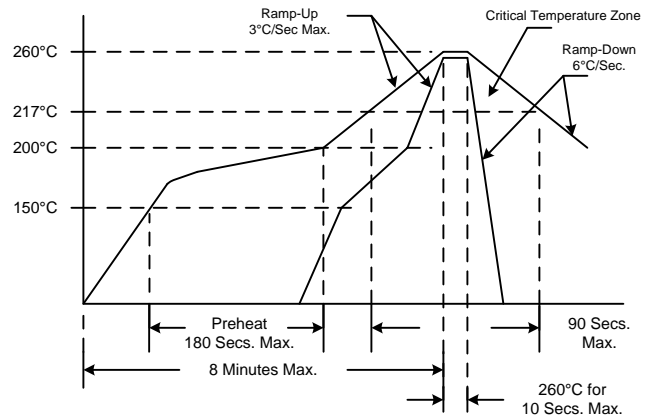


Marking Specifications:
*DC = Date Code

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

PIN	Signal
1	Crystal
2	GND
3	Crystal
4	GND

RECOMMENDED REFLOW SOLDERING PROFILE



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

Packaging Specifications:
1K ea. Tape and Real

Crystal Specifications

Frequency Range: 12.000MHz to 45.000MHz
 Calibration Tolerance: ±10ppm to ±50ppm
 Frequency Stability: ±10ppm to ±100ppm
 Operating Temp. Ranges: -20°C to 70°C

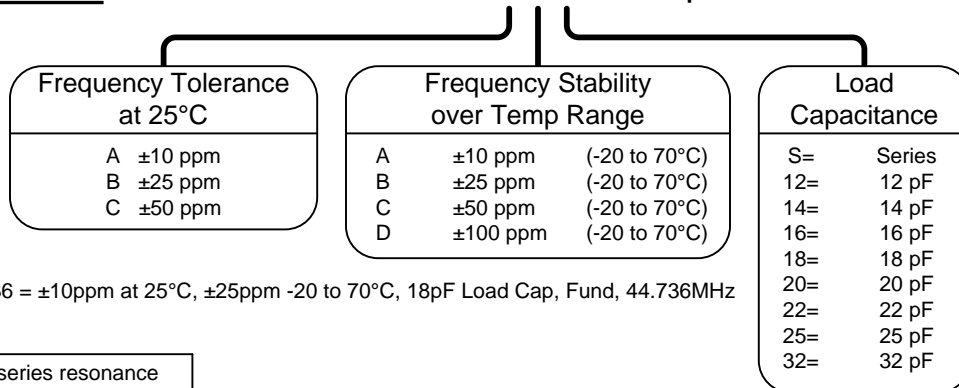
Storage Temp. Range: -40°C to 85°C
 Resistance: See Table 1
 Shunt Cap: 5pF Max
 Holder Type: 3.5x6.0mm SMD

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

CSX2-XX-XX-Freq



Example:

CSX2-AB-18-44.736 = ±10ppm at 25°C, ±25ppm -20 to 70°C, 18pF Load Cap, Fund, 44.736MHz

Resistance at series resonance	
Freq. (MHz)	Max ESR
12.0 - 20.0 (F)	50
20.1 - 45.0 (F)	40

Table 1

Specifications subject to change without notice.

TD-021010 Rev. H