



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



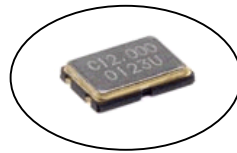
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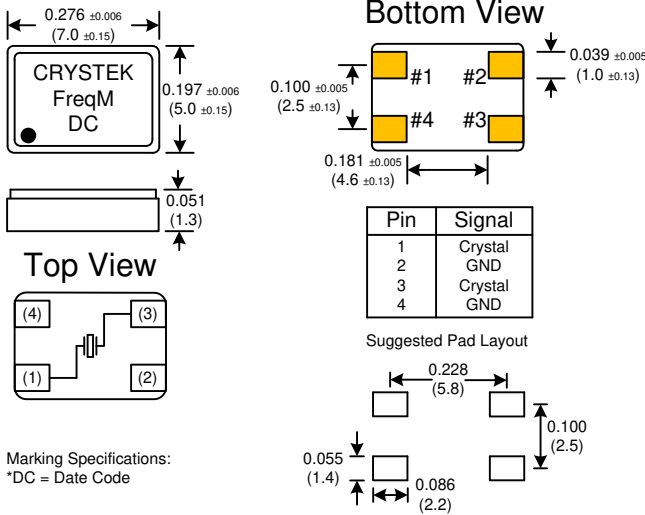


# Quartz Crystal

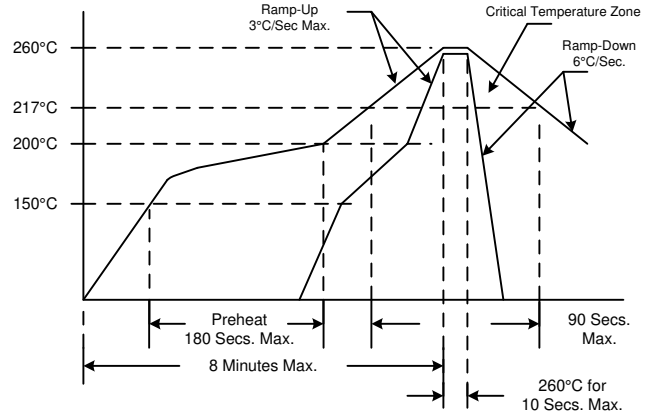
Designed to meet the precision and space requirements needed for wireless applications.

## CSX1 Model

5x7 mm Low Profile SMD Crystal



### RECOMMENDED REFLOW SOLDERING PROFILE



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

**Packaging Specifications:** 1K ea. Tape and Real

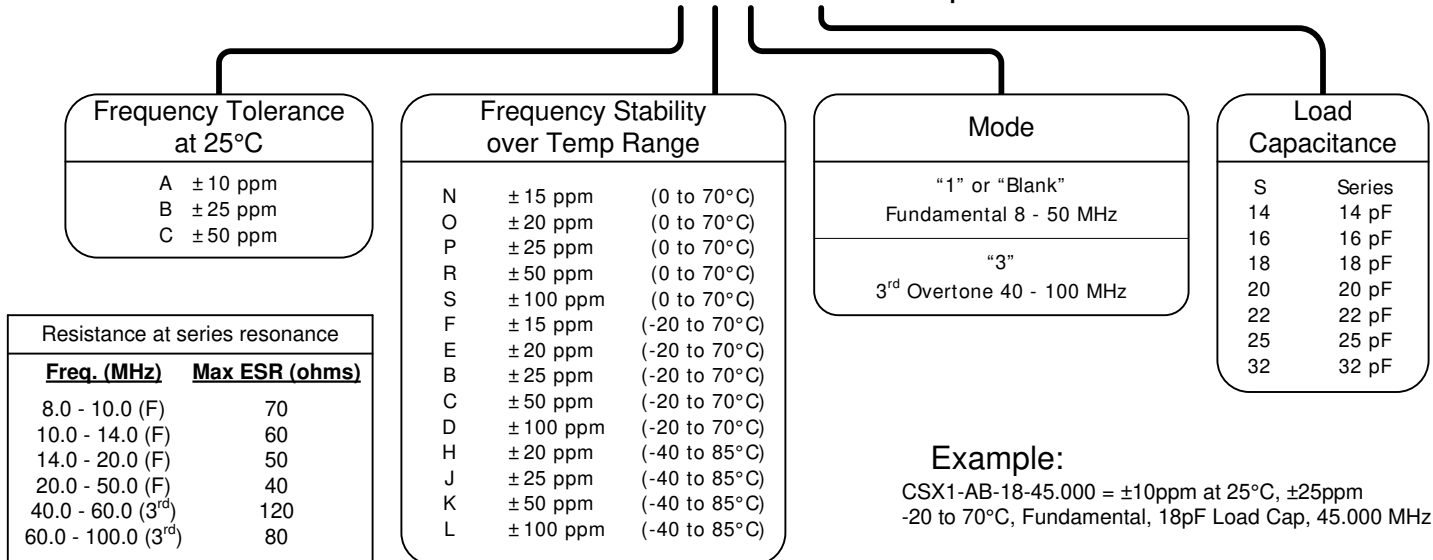
- Frequency Range: 8.000 MHz to 50.000 MHz (Fund)  
40.000 MHz to 100.000 MHz (3<sup>rd</sup> OT)
- Calibration Tolerance: ±10ppm to ±50ppm
- Frequency Stability: ±15ppm to ±100ppm
- Operating Temp. Ranges: 0°C to 70°C  
-20°C to 70°C  
-40°C to 85°C
- Storage Temp. Range: -40°C to 85°C
- Resistance: See Table 1
- Shunt Cap: 5pF Max

- Holder Type: 5x7mm SMD
- Aging: ±3ppm/1<sup>st</sup> year 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 - X X X - XX - Freq



### Example:

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

Table 1

Specifications subject to change without notice.

TD-021009 Rev. H