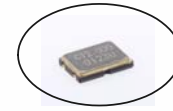


查询"CSX2"供应商

## CSX2 Model

3.5X6 mm Low Profile SMD Crystal

# Quartz Crystal



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

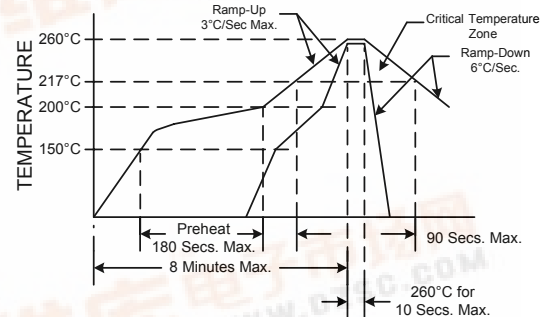
Lead Free  
RoHS  
Compliant

**Frequency Range:** 12MHz to 45MHz (fund)  
**Calibration Tolerance:**  $\pm 10$ ppm to  $\pm 50$ ppm  
**Frequency Stability:**  $\pm 10$ ppm to  $\pm 100$ ppm  
**Temperature Range:**  $-20^{\circ}\text{C}$  to  $70^{\circ}\text{C}$   
**Storage:**  $-40^{\circ}\text{C}$  to  $85^{\circ}\text{C}$   
**Shunt Capacitance:** 5.0pF Max  
**Drive Level:** 50uW Typical, 300uW Max  
**Aging:**  $\pm 3$ ppm Max 1st/yr  
**ESR:** see table 1

**Packaging:** 1K Tape and Reel

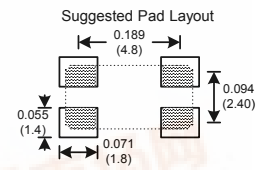
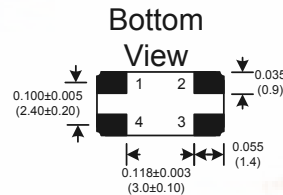
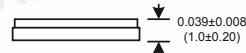
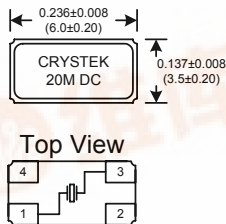
**\*\* Custom Designs Available**

### RECOMMENDED REFLOW SOLDERING PROFILE



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

**Aging:**  $< 3$ ppm 1st/yr Max



Dimensions inches (mm)

All dimensions are Max unless otherwise specified.

### Build Your Own P/N

### CSX2-XX-XX-Freq

#### Frequency Tolerance at 25°C

A  $\pm 10$  ppm  
B  $\pm 25$  ppm  
C  $\pm 50$  ppm

#### Frequency Stability over Temp Range

A  $\pm 10$  ppm ( $-20$  to  $70^{\circ}\text{C}$ )  
B  $\pm 25$  ppm ( $-20$  to  $70^{\circ}\text{C}$ )  
C  $\pm 50$  ppm ( $-20$  to  $70^{\circ}\text{C}$ )  
D  $\pm 100$  ppm ( $-20$  to  $70^{\circ}\text{C}$ )

#### Load Capacitance

S= Series  
12= 12 pF  
14= 14 pF  
16= 16 pF  
18= 18 pF  
20= 20 pF  
22= 22 pF  
25= 25 pF  
32= 32 pF

#### Example:

CSX2-AB-18-44.736 =  $\pm 10$ ppm at  $25^{\circ}\text{C}$ ,  $\pm 25$ ppm  $-20$  to  $70^{\circ}\text{C}$ , 18pF Load Cap, Fund, 44.736MHz

| PIN | Signal  |
|-----|---------|
| 1   | Crystal |
| 2   | GND     |
| 3   | Crystal |
| 4   | GND     |

| 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.G



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