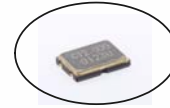


查询"CSX3-AB18-19.680"供应商

3.2X5 mm Ultra Miniature SMD Crystal

Quartz Crystal



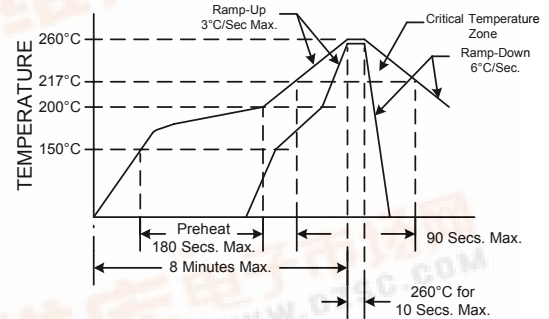
Frequency Range: 12MHz to 45MHz
Calibration Tolerance: $\pm 10\text{ppm}$ to $\pm 50\text{ppm}$
Frequency Stability: $\pm 10\text{ppm}$ to $\pm 100\text{ppm}$
Temperature Range: -10°C to 70°C
Storage: -30°C to 85°C
Shunt Capacitance: 5.0pF Max
Drive Level: 20uW Typical, 300uW Max
Aging: $\pm 3\text{ppm}$ Max 1st/yr
ESR: see table 1

Lead Free
RoHS
Compliant

Designed to meet the most demanding space requirements while providing excellent stability.

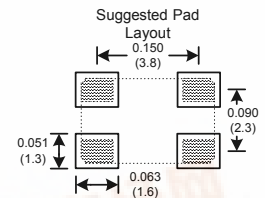
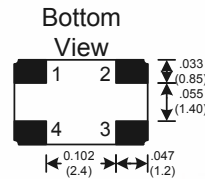
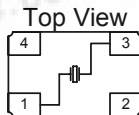
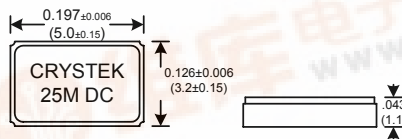
Packaging: 1K Tape and Reel

RECOMMENDED REFLOW SOLDERING PROFILE



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

Aging: $< 3\text{ppm}$ 1st/yr Max



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

Build Your Own P/N

CSX3-XXX-XX-Freq

Frequency Tolerance at 25°C	
A	$\pm 10\text{ ppm}$
B	$\pm 25\text{ ppm}$
C	$\pm 50\text{ ppm}$

Frequency Stability over Temp Range	
A	$\pm 10\text{ ppm}$ (-10 to 70°C)
B	$\pm 25\text{ ppm}$ (-10 to 70°C)
C	$\pm 50\text{ ppm}$ (-10 to 70°C)
D	$\pm 100\text{ ppm}$ (-10 to 70°C)
E	$\pm 50\text{ ppm}$ (-40 to 85°C)
F	$\pm 100\text{ ppm}$ (-40 to 85°C)
G	$\pm 30\text{ ppm}$ (-40 to 85°C)

Mode
"Blank" or "1" Fundamental 12-39 MHz

Load Capacitance	
S=	Series
10=	10pF
14=	14 pF
16=	16 pF
18=	18 pF
20=	20 pF
22=	22 pF
25=	25 pF
32=	32 pF

Example:

CSX3-AB18-19.680 = $\pm 10\text{ppm}$ at 25°C , $\pm 25\text{ppm}$ -10 to 70°C , Fundamental, 18pF Load Cap, 19.680MHz

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 - 39.0 (F)	40

Table 1

Specifications subject to change without notice.

TD-021011 Rev. G

