

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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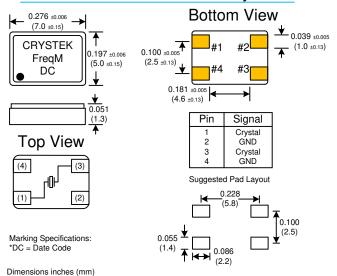




Compliant

CSX1 Model

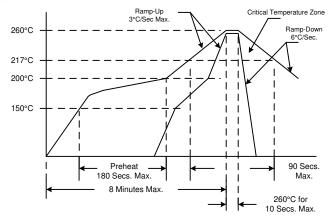
5×7 mm Low Profile SMD Crystal



Quartz Crystal

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

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 (3rd OT)

Calibration Tolerance: ±10ppm to ±50ppm Frequency Stability: ±15ppm to ±100ppm

Operating Temp. Ranges: 0°C to 70°C

All dimensions are maximum unless otherwise specified

-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: 5×7mm SMD

Aging: ±3ppm/1st 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

Frequency Tolerance at 25°C A ±10 ppm B ±25 ppm C ±50 ppm

Resistance at series resonance		
Freq. (MHz)	Max ESR (ohms)	
8.0 - 10.0 (F)	70	
10.0 - 14.0 (F)	60	
14.0 - 20.0 (F)	50	
20.0 - 50.0 (F)	40	
40.0 - 60.0 (3 rd)	120	
60.0 - 100.0 (3 rd)	80	

Table 1

Frequency Stability		
over Temp Range		

NOPRSFEBCDHJy	± 15 ppm ± 20 ppm ± 25 ppm ± 50 ppm ± 100 ppm ± 15 ppm ± 20 ppm ± 25 ppm ± 100 ppm ± 20 ppm ± 20 ppm ± 20 ppm ± 20 ppm	(0 to 70°C) (0 to 70°C) (0 to 70°C) (0 to 70°C) (0 to 70°C) (-20 to 70°C) (-20 to 70°C) (-20 to 70°C) (-20 to 70°C) (-20 to 70°C) (-40 to 85°C) (-40 to 85°C)
J K L	± 25 ppm ± 50 ppm ± 100 ppm	(-40 to 85°C) (-40 to 85°C) (-40 to 85°C)
L	± 100 ppm	(-40 to 85°C

Mode "1" or "Blank" Fundamental 8 - 50 MHz "3" 3"d Overtone 40 - 100 MHz

	Load \	
Capacitance		
s	Series	
14	14 pF	
16	16 pF	
18	18 pF	
20	20 pF	
22	22 pF	
25	25 pF	
32	32 pF	

Example:

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

Specifications subject to change without notice.

TD-021009 Rev. H

