

6.0mm x 3.5mm Ceramic SMD Crystal

C6AS
(Former FQA)

DATASHEET

- Tolerances down to ±20PPM
- Stabilities down to ±20PPM
- Temperature Ranges to -40°C to +85°C

• SPECIFICATIONS			
PARAMETERS	MAX (unless otherwise noted)		
Frequency Range	8.000 ~ 67.000MHz		
Frequency Tolerance @ 25°C	(See options on page 3)		
Frequency Stability, ref to 25°C	(See options below)		
Temperature Range			
Operating (TOPR)	(See options below)		
Storage (Tstg)	-40°C ~ +85°C		
Shunt Capacitance (Co)	5pF		
Load Capacitance (CL)	(See options on page 2)		
Drive Level	0.1mW		
Aging per year	±5.0PPM		
Maximum Soldering Temp / Time	260°C / 10Seconds x 2		
Moisture Sensitivity Level (MSL)	1		
Termination Finish	Au over Ni		
Seal Method	Resin		
Lead (Pb) Free	Yes		
RoHS/REACH Compliant	Yes		

Frequency Range	Operating Mode	Max ESR Ω
8.000 ~ 8.999999	Fundamental	150
9.000 ~ 9.999999	Fundamental	80
10.000 ~ 16.000	Fundamental	60
16+ ~ 50.000	Fundamental	40
40.000 ~ 67.000	3 rd OT	70

Available Operating Temperatures and Stabilities

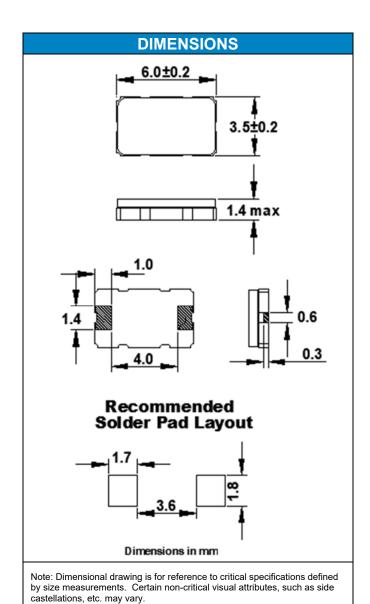
Stability Temperature	±20PPM	±25PPM	±30PPM	±50PPM
0°C to +70°C	0	0	0	0
-10°C to +70°C	0	0	0	0
-20°C to +70°C	0	0	0	0
-30°C to +85°C	X	X	0	0
-40°C to +85°C	X	X	0	0

Key: O=Available, X=Not Available

Title / Description: C6AS SERIES STANDARD SPECIFICATIONS						
Drawing Number: C6AS-DOC	Size: A					
Part Number:	Cage: 61429					
Draftsperson: BEC	Approved: MAJ	Revision Date: 11/13/2019				







A24	Title / Description: C6AS SERIES STANDARD SPECIFICATIONS			
_37	Drawing Number: C6AS-DOC	Size: A		
FÜX	Part Number:		Cage: 61429	
© Copyright 2019 Fox Electronics. All rights reserved	Draftsperson: BEC	Approved: MAJ	Revision Date: 11/13/2019	



6.0mm x 3.5mm Ceramic SMD Crystal

C6AS
(Former FQA)

DATASHEET

TAPE SPECIFICATIONS (millimeters)					• REE	L SPEC	CIFICA	FIONS (millimet	ers)			
Α	В	С	D	Е	F	Reel QTY	G	Н	- I	J	K	L	M
Ø1.5	4.0	8.0	5.5	12.0	1.9	-T1 = 1,000 -T2 = 2,000	2.0	Ø13	Ø21	Ø80	Ø250	13.5	2.0
	1.75 †	Direction -	of pull • • • • • • • • • • • • • • • • • •	A - C	B C C C C C C C C C		Ē		211		120°	K	- M - J - J - + L

Available Options & Part Identification for Crystal Model C6AS¹ <u>F C6AS B B M E 12.0</u>

F	C6AS	В	В	M	E	12.0
FOX	Model Number	Tolerance	Stability	Load Capacitance ²	Operating Temperature	Frequency (MHz)
		B = ±50 PPM C = ±30 PPM D = ±25 PPM E = ±20 PPM	A = ±100PPM B = ±50 PPM C = ±30 PPM D = ±25 PPM E = ±20 PPM	B = 10 pF G = 12 pF U = 13 pF K = 16 pF L = 18 pF M = 20 pF	$C = 0 \sim +70^{\circ}C$ $E = -10 \sim +70^{\circ}C$ $F = -20 \sim +70^{\circ}C$ $K = -30 \sim +85^{\circ}C$ $M = -40 \sim +85^{\circ}C$	

¹ Not all frequency, tolerance, stability, load, and operating temperature combinations may be available.

² Listed load capacitances represent the most commonly used. Other load capacitances are available. Contact Fox Technical Support for assistance.



Corporate Headquarters

5570 Enterprise Parkway Fort Myers, FL 33905 http://www.FOXONLINE.com

Sales

1-888-GET-2-FOX (1-888-438-2369) or 1-239-693-0099 http://www.FOXONLINE.com/repdisty

Tech Support

http://www.FOXONLINE.com/email

PRODUCT USE: Fox Electronics reserves the right to modify the products and/or specifications described herein at any time and at Fox Electronics' sole discretion. All information in this document, including descriptions of product features and performance, is subject to change without notice. Performance specifications and the operating parameters of the described products are determined in the independent state and are not guaranteed to perform the same way when installed in customer products. The information contained herein is provided without representation or warranty of any kind, whether express or implied, including, but not limited to, the suitability of Fox Electronics' products for any particular purpose, an implied warranty of merchantability, or non-infringement of the intellectual property rights of others. This document is presented only as a guide and does not convey any license under intellectual property rights of Fox Electronics or any third parties.

Fox Electronics' products are not intended for use in applications involving extreme environmental conditions or in life support systems or similar devices where the failure or malfunction of a Fox Electronics product can be reasonably expected to significantly affect the health or safety of users. Anyone using a Fox Electronics product in such a manner does so at their own risk, absent an express, written agreement by Fox Electronics.

Fox Electronics and the Fox logo are registered trademarks of Fox Electronics. Product specification is subject to change without notice. Other trademarks and service marks used herein, including protected names, logos and designs, are the property of Fox Electronics or their respective third-party owners. For datasheet type definitions and a glossary of common terms, visit http://www.foxonline.com/tgcrystals.html .

FÜX

Title / Description: C6AS SERIES STANDARD SPECIFICATIONS						
Drawing Number: C6AS-DOC	Size: A					
Part Number:	Cage: 61429					
Draftsperson: BEC	Approved: MAJ	Revision Date: 11/13/2019				

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Fox:

FC6ASCCLC24.0-T2 FC6ASCCLF24.0-BULK FC6ASBBLM24.576-T1 FC6ASCBLD14.7456-BULK
FC6ASCCEF25.0-T1 FC6ASCCLF24.0-T2 FC6ASCCEC13.8333-BULK FC6ASBBLM16.0-T1 FC6ASBBLM24.576-BULK FC6ASCCEC13.8333-T1 FC6ASCCLF24.0-T1 FC6ASBBLM16.0-BULK FC6ASBBLM25.0-BULK
FC6ASBBME14.7456-BULK FC6ASCCEC25.0-T2 FC6ASBBLM24.576-T2 FC6ASCCEF25.0-BULK
FC6ASBBME14.7456-T1 FC6ASCBLD14.7456-T1 FC6ASCCEF25.0-T2 FC6ASBBLM25.0-T1 FC6ASCCEC13.8333-T2 FC6ASBBLM25.0-T2 FC6ASCCEC25.0-BULK FC6ASCCEC25.0-BULK FC6ASCCEC25.0-BULK FC6ASCCEC25.0-T1 FC6ASBBLM16.0-T2 FC6ASCBLD14.7456-T2 FC6ASCCLC24.0-BULK FC6ASCCLC24.0-T1 FC6ASCCLC25.0-BULK FC6ASCCLC24.0-T1 FC6ASCCLC12.0-T1 FC6ASCCLC12.0-T2 FC6ASCBLF18.432-BULK FC6ASCBLF18.432-T1 FC6ASCBLF25.0-BULK FC6ASCBLF25.0-T1 FC6ASCCLC12.0-T1 FC6ASCCLC12.0-T2 FC6ASCBLF18.432-T2 FC6ASCBLF25.0-T2