



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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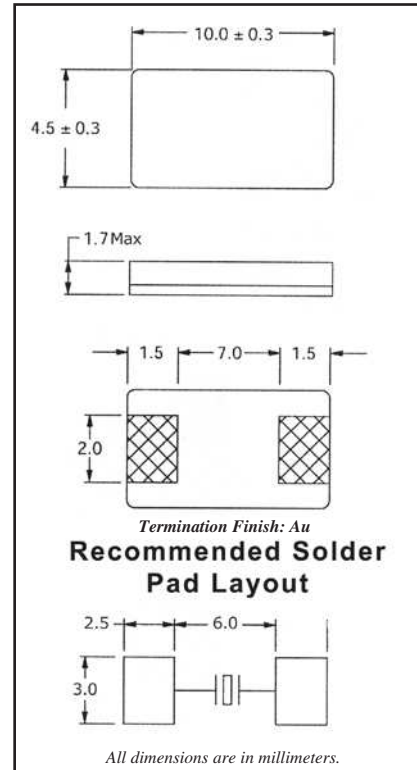
10 x 4.5mm SMD Crystal

C8AQ
(former FQ1045A)
DATASHEET

- Tolerances down to 20 PPM
- Stabilities down to 20 PPM
- Temperature ranges as wide as -40°C to +85°C

• STANDARD SPECIFICATIONS

PARAMETERS	MAX (unless otherwise noted)
Frequency Range (Fo)	3.200 ~ 7.000 MHz
Frequency Tolerance @ 25°C	(See options on page 2)
Frequency Stability, ref @ 25°C Over Operating Temp Range	(See options below)
Temperature Range	
Operating (TOPR)	(See options on page 2)
Storage (TSTG)	-40°C ~ +85°C
Shunt Capacitance (Co)	5 pF
Load Capacitance (CL)	(See options on page 2)
Drive Level	0.5 mW
Aging per year	±5 PPM
Termination Finish	Au
Seam Method	Resin Sealed
Lead (Pb) Free	YES
RoHS / REACH Compliant	YES



Frequency Range	Operating Mode	Max ESR Ω
3.200 ~ 7.000	Fundamental	150

• Available Operating Temperatures and Stabilities*

Stability Temperature	±20 PPM	±25 PPM	±30 PPM	±50 PPM
0 ~ +70°C	○	○	○	○
-40 ~ +85°C	△	○	○	○

Key: ○=Available, X=Not Available, △=Consult Fox Technical Support

*Does not imply a stocked part.



Title / Description: C8AQ STANDARD SPECIFICATIONS	
Drawing Number: 101169	Size: A
Part Number:	Cage: 61429
Draftsperson: CMR	Approved: RB
Revision Date: 10/11/2017	

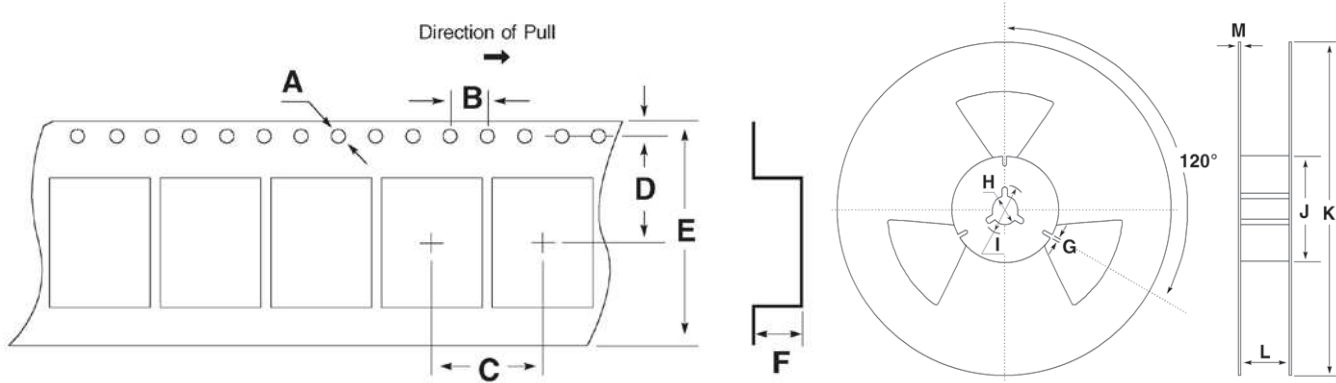


10 x 4.5mm SMD Crystal

C8AQ
(former FQ1045A)
DATASHEET

• TAPE SPECIFICATIONS (millimeters)						
A	B	C	D	E	F	STD Reel QTY
Ø1.5	4.0	8.0	11.5	24.0	2.0	1,000

• REEL SPECIFICATIONS (millimeters)						
G	H	I	J	K	L	M
2.0	Ø13	Ø21	Ø100	Ø330	24.4	2.0



Available Options & Part Identification for SMD Crystal C8AQ*

F C8AQ C C M C 3.6864

F	C8AQ	C	C	M	C	3.6464
<u>FOX</u>	<u>Model Number</u>	<u>Tolerance</u> B=50ppm C=30ppm D=25ppm E=20ppm	<u>Stability</u> B=50ppm C=30ppm D=25ppm E=20ppm	<u>Load Capacitance</u> E=10pF K=16pF L=18pF M=20pF	<u>Operating Temperature</u> C=0 to +70C M=-40 to +85C	<u>Frequency (MHz)</u>

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





10 x 4.5mm SMD Crystal

C8AQ (former FQ1045A) DATASHEET

• C8AQ (former FQ1045A) Standard Crystals

Part Number	Frequency	Tolerance	Stability	Temp Range	CL
FQ1045A-3.6864	3.686400	+/- 30 ppm	+/- 30 ppm	0 to +70 C	20pF
FQ1045A-4.000	4.000000	+/- 30 ppm	+/- 30 ppm	0 to +70 C	20pF
FQ1045A-6.000	6.000000	+/- 30 ppm	+/- 30 ppm	0 to +70 C	20pF
FQ1045AR-3.6864	3.686400	+/- 30 ppm	+/- 50 ppm	-40 to +85 C	20pF
FQ1045AR-4.000	4.000000	+/- 30 ppm	+/- 50 ppm	-40 to +85 C	20pF
FQ1045AR-6.000	6.000000	+/- 30 ppm	+/- 50 ppm	-40 to +85 C	20pF



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For datasheet type definitions and a glossary of common terms, visit <http://www.foxonline.com/tgcrystals.html> .



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