



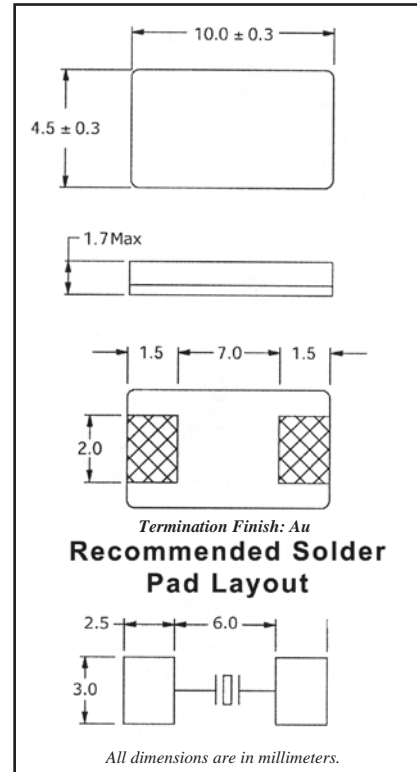
10 x 4.5mm SMD Crystal

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	

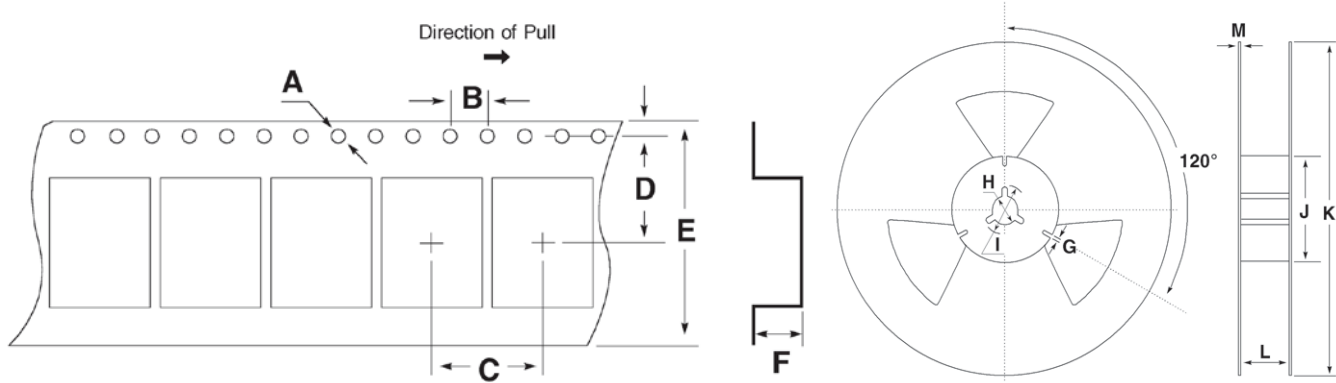


10 x 4.5mm SMD Crystal

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(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.



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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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