

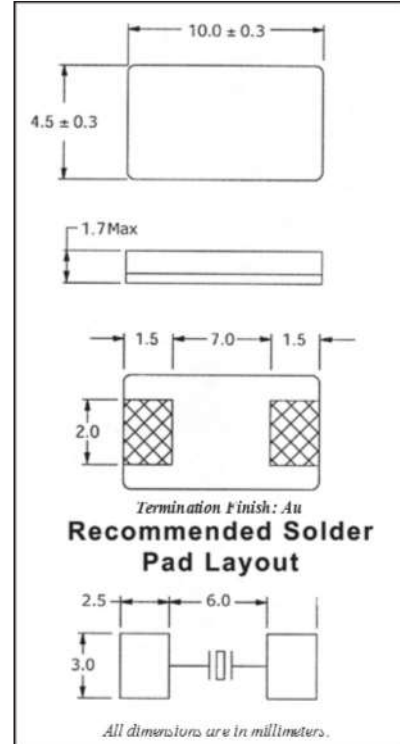


# 10 x 4.5mm SMD Crystal

**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	Ag
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: AR	Revision Date: 09/24/2018

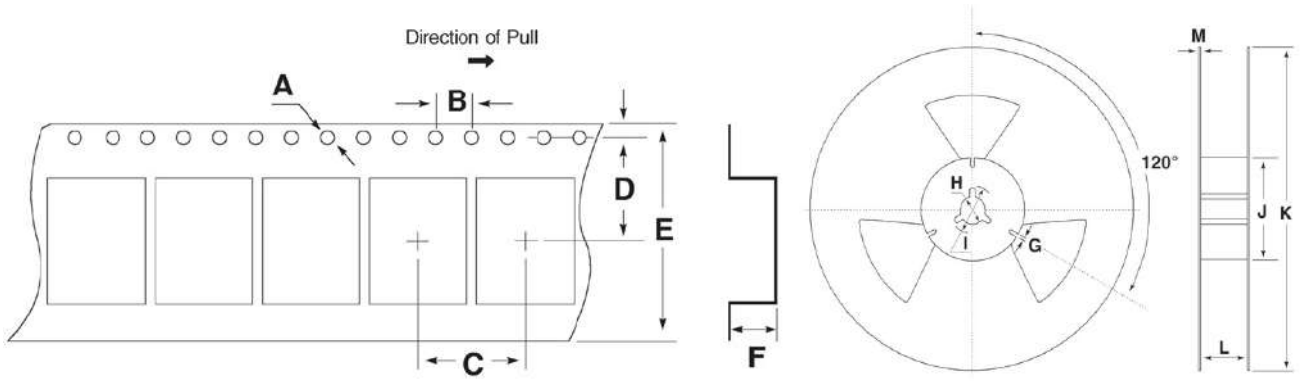


# 10 x 4.5mm SMD Crystal

**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*						
<b>F C8AQ C C M C 3.6864</b>						
<b>F</b>	<b>C8AQ</b>	<b>C</b>	<b>C</b>	<b>M</b>	<b>C</b>	<b>3.6464</b>
<u>FOX</u>	<u>Model Number</u>	<u>Tolerance</u> B=50ppm <b>C=30ppm</b> D=25ppm E=20ppm	<u>Stability</u> B=50ppm <b>C=30ppm</b> D=25ppm E=20ppm	<u>Load Capacitance</u> E=10pF K=16pF L=18pF <b>M=20pF</b>	<u>Operating Temperature</u> <b>C=0 to +70C</b> 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

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**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



**Corporate Headquarters**  
5570 Enterprise Parkway  
Fort Myers, FL 33905  
<http://www.FOXONLINE.com>

**Sales**  
1-888-GET-2-FOX (1-888-438-2369) or  
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