



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
Seal Method	Resin
Lead (Pb) Free	YES
RoHS / REACH Compliant	YES

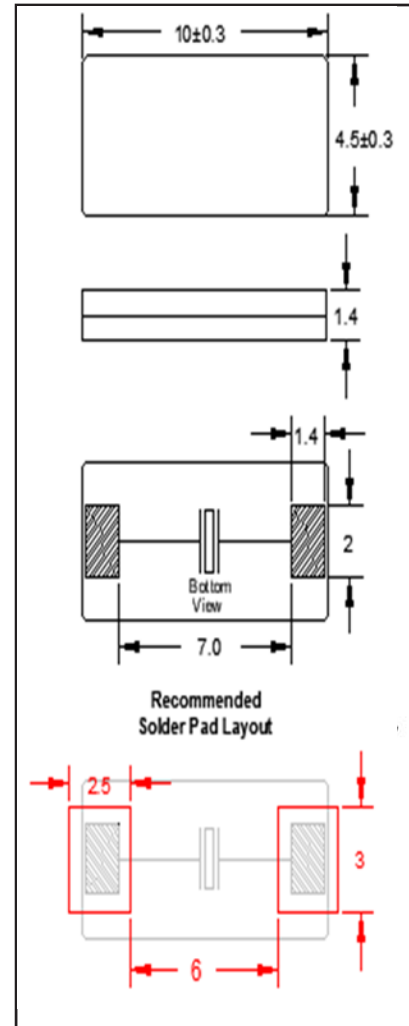
Frequency Range	Operating Mode	Max ESR Ω
3.200 ~ 7.000	Fundamental	150

• Available Operating Temperatures and Stabilities*

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

Key: O=Available, X=Not Available, Δ=Consult Fox Technical Support

*Does not imply a stocked part.



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	Drawing Number: 101169	Size: A
	Part Number:	Cage: 61429
	Draftsperson: BEC	Approved: MAJ
		Revision Date: 04/16/2019



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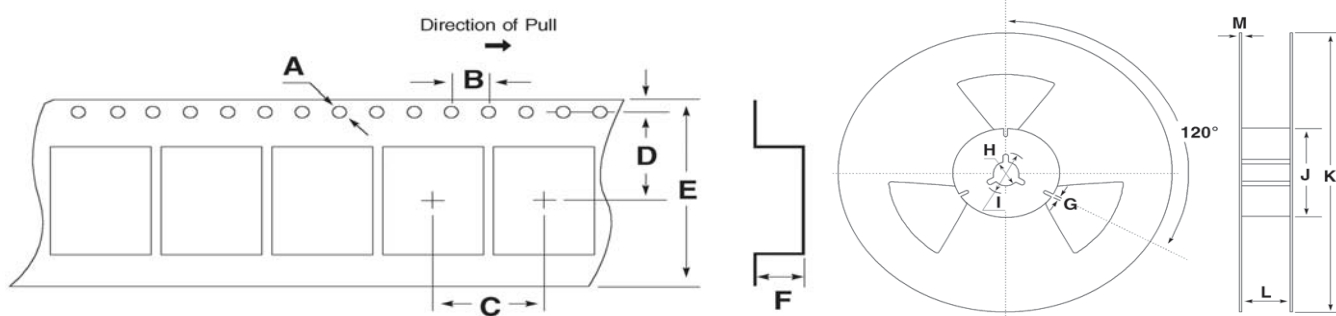
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• TAPE SPECIFICATIONS (millimeters)						
A	B	C	D	E	F	STD Reel QTY
Ø1.5	4.0	8.0	11.5	24.0	2.0	-T1 =1,000

• 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 C8AQ¹

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 Capacitance²</u> E=10pF K=16pF L=18pF M=20pF	<u>Operating Temperature</u> C=0 to +70C F=-20 to +70C K=-30 to +85C M=-40 to +85C	<u>Frequency (MHz)</u>

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



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