

5.0 x 3.2mm Auto Grade Crystal C5B/

(former FXA5032B)

DATASHEET

Page 1 of 2

AEC Q200 Qualified
TS-16949 QMS
Tolerances down to ±10 PPM
Stabilities down to ±20 PPM
Temperature Ranges as wide as -40°C to +125°C

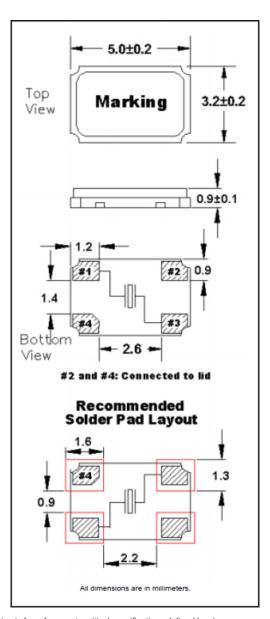
• SPECIFICATIONS	
PARAMETERS	MAX (unless otherwise noted)
Frequency Range	8.0 ~ 52.0 MHz
Frequency Tolerance @ 25°C	(See options on page 2)
Frequency Stability, ref @ 25°C	(See options below)
Temperature Range	
Operating (T _{OPR})	See options below
Storage (T _{STG})	-55°C ~ +150°C
Shunt Capacitance (C ₀)	5 pF
Load Capacitance (C _L)	(See options on page 2)
Drive Level	100 μW
Aging per year	±5 PPM
Maximum Soldering Temp / Time	260°C / 10 Seconds
Moisture Sensitivity Level (MSL)	1
Termination Finish	Au over Ni
Seal Method	Seam Seal
Lead (Pb) Free	Yes
RoHS / REACH Compliant	Yes

Frequency Range (MHz)	Operating Mode	Max ESR Ω	
8.0 ~ 10.0	Fundamental	150	
>10.0 ~ 12.0	Fundamental	90	
>12.0 ~ 15.0	Fundamental	70	
>15.0 ~ 52.0	Fundamental	50	

•Available Operating Temperatures and Stabilities¹

Operating Temperature	±20 PPM	±30 PPM	±50 PPM	±100 PPM
-40 ~+85°C	0	0	0	0
-40 ~+105°C	X	0	0	0
-40 ~+125°C3	X	X	0	0

Key: O=Available, X=Not Available, Δ=Consult Fox Technical Support ¹Does not imply atocked part.



Note: Dimensional drawing is for reference to critical specifications defined by size measurements. Certain non-critical visual attributes, such as side castellations, etc. may vary.

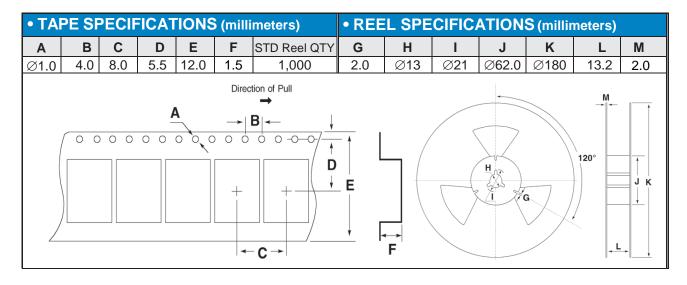


5.0 x 3.2mm Auto Grade Crystal C5E

(former FXA5032B)

<u>DATASHEET</u>

Page 2 of 2



Available Options & Part Identification for Automotive Crystal Model C5BA* F C5BA C B M I 40.0						
F	C5BA	С	В	M	I	40.0
FOX	Model Number	Tolerance B=50ppm C=30ppm E=20ppm H=10ppm	Stability A=100ppm B=50ppm C=30ppm E=20ppm	Load CapacitanceA=SeriesV=7pFD=8pFE=10pFG=12pFJ=15pFK=16pFL=18pFM=20pF	Operating Temperature M=-40~+85°C P=-40~+105°C I=-40~+125°C	Frequency (MHz)

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



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Reference / Comments	Title / Description: C5BA SERIES STANDARD SPECIFICATIONS				
85	Drawing Number:			Size: A	
	Part Number:			Cage: 61429	
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