

## 5.0mm x 3.2mm SMD Crystal

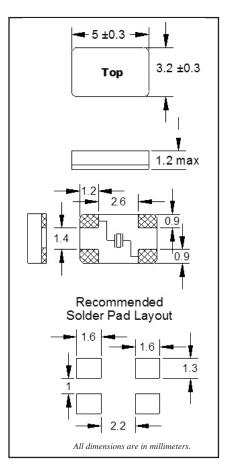
C5BQ (former FQ5032B) DATASHEET

Page 1 of 3

- Tolerances down to 20 PPM
- Stabilities down to 20 PPM

C5BQ STANDARD SPECIFICATIONS				
PARAMETERS	MAX (unless otherwise noted)			
Frequency Range (Fo)	8.000 ~ 60.000 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 below)			
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			
Lead (Pb) Free	Yes			
RoHS Compliant	Yes			

Frequency Range (MHz)	Operating Mode	Max ESR $\Omega$
8.000000 ~ 11.999999	Fundamental	100
12.000000 ~ 16.000	Fundamental	80
16.000001 ~ 48.000	Fundamental	50
48.000001 ~ 60.000	3rd OT	100



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.

#### Available Operating Temperatures and Stabilities\*

Stability Temperature	±15 PPM	±20 PPM	±25 PPM	±30 PPM	±50 PPM
0 ~+70°C	Δ	0	0	0	0
-20 ~+70°C	Δ	0	0	0	0
-40 ~+85°C	X	X	0	0	0

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

\*Does not imply a stocked part.

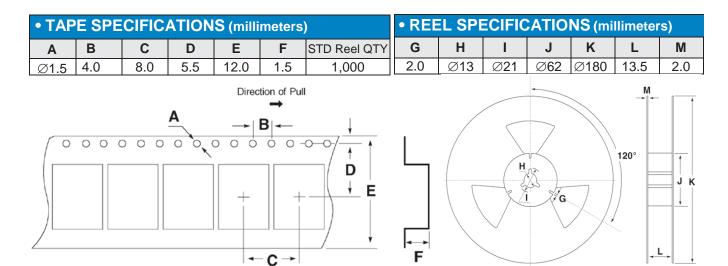
200	Title / Description: C5BQ SERIES STANDARD SPECIFICATIONS		
FÖX	Drawing Number: 101146	Size: A	
FOX	Part Number:	<b>Cage</b> : 61429	
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Page 2 of 3



# Available Options & Part Identification for SMD Crystal C5BQ\* F C5BQ C C M C 25.0

F	C5BQ	С	С	M	С	25.0
FOX	Model <u>Number</u>	Tolerance B=50ppm C=30ppm D=25ppm E=20ppm	Stability B=50ppm C=30ppm D=25ppm E=20ppm	Load Capacitance V=7pF D=8pF E=10pF G=12pF J=15pF K=16pF L=18pF M=20pF	Operating Temperature C=0 to +70C F=-20 to +70C M=-40 to +85C	Frequency (MHz)

<sup>\*</sup>Not all frequency, tolerance, stability, load, and operating temperature combinations may be available.

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<sup>\*\*</sup>Consult Fox Technical Support for 15ppm availability.

<sup>\*</sup>Not all frequency, tolerance, stability, load, and operating temperature combinations may be available.



#### 5.0mm x 3.2mm SMD Crystal

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Page 3 of 3

C5BQ (Former FQ5032B) Standard Crystals					
Part Number	Frequency	Tolerance	Stability	Temp Range	CL
FQ5032B-10.000	10.000000	+/- 30 ppm	+/- 30 ppm	0 to +70 C	20pF
FQ5032B-12.000	12.000000	+/- 30 ppm	+/- 30 ppm	0 to +70 C	20pF
FQ5032B-16.000	16.000000	+/- 30 ppm	+/- 30 ppm	0 to +70 C	20pF
FQ5032B-20.000	20.000000	+/- 30 ppm	+/- 30 ppm	0 to +70 C	20pF
FQ5032B-24.000	24.000000	+/- 30 ppm	+/- 30 ppm	0 to +70 C	20pF
FQ5032B-25.000	25.000000	+/- 30 ppm	+/- 30 ppm	0 to +70 C	20pF
FQ5032BR-10.000	10.000000	+/- 30 ppm	+/- 50 ppm	-40 to +85 C	20pF
FQ5032BR-12.000	12.000000	+/- 30 ppm	+/- 50 ppm	-40 to +85 C	20pF
FQ5032BR-16.000	16.000000	+/- 30 ppm	+/- 50 ppm	-40 to +85 C	20pF
FQ5032BR-20.000	20.000000	+/- 30 ppm	+/- 50 ppm	-40 to +85 C	20pF
FQ5032BR-24.000	24.000000	+/- 30 ppm	+/- 50 ppm	-40 to +85 C	20pF
FQ5032BR-25.000	25.000000	+/- 30 ppm	+/- 50 ppm	-40 to +85 C	20pF



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