



# 5.0mm x 3.2mm SMD Crystal

**C5BQ**  
(former FQ5032B)  
**DATASHEET**

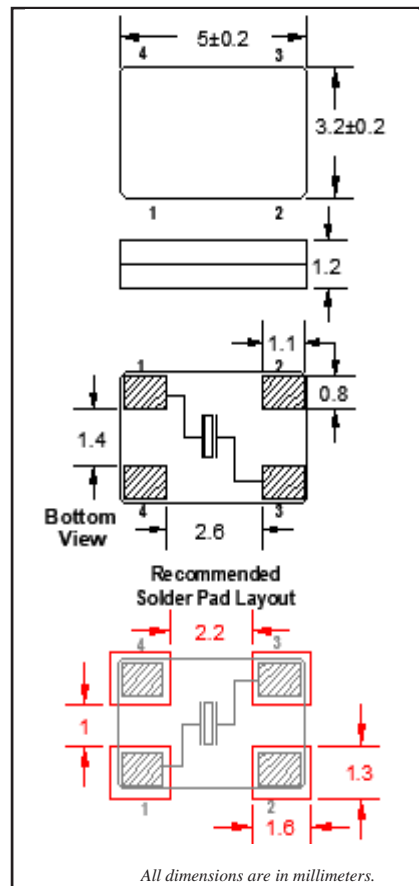
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- Tolerances down to 20 PPM
- Stabilities down to 10 PPM

## • C5BQ STANDARD SPECIFICATIONS

PARAMETERS	MAX (unless otherwise noted)
Frequency Range (Fo)	8.000 ~ 48.000 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	Ag
Seal Method	Resin
Lead (Pb) Free	Yes
RoHS Compliant	Yes

Frequency Range (MHz)	Operating Mode	Max ESR Ω
8.000000 ~ 11.999999	Fundamental	100
12.000000 ~ 16.000	Fundamental	80
16.000001 ~ 48.000	Fundamental	50



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	±10 PPM	±15 PPM	±20 PPM	±25 PPM	±30 PPM	±50 PPM
0 ~+70°C	O	O	O	O	O	O
-20 ~+70°C	O	O	O	O	O	O
-40 ~+85°C	X	X	X	X	O	O

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

\*Does not imply a stocked part.



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Title / Description: C5BQ SERIES STANDARD SPECIFICATIONS

Drawing Number: 101146

Part Number:

Draftsperson: BEC

Size: A

Cage: 61429

Approved: MAJ

Revision Date:  
04/16/2019



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• TAPE SPECIFICATIONS (millimeters)							• REEL SPECIFICATIONS (millimeters)						
A	B	C	D	E	F	STD Reel QTY	G	H	I	J	K	L	M
Ø1.5	4.0	8.0	5.5	12.0	1.5	-T1 = 1,000	2.0	Ø13	Ø21	Ø62	Ø180	13.5	2.0

## Available Options & Part Identification for SMD Crystal C5BQ<sup>1</sup>

### F C5BQ C C M C 25.0

F	C5BQ	C	C	M	C	25.0
<b>FOX</b>	<b>Model Number</b>	<b>Tolerance</b> B=50ppm C=30ppm D=25ppm E=20ppm	<b>Stability</b> B=50ppm C=30ppm D=25ppm E=20ppm F=15ppm H=10ppm	<b>Load Capacitance<sup>2</sup></b> V=7pF D=8pF E=10pF G=12pF K=16pF M=20pF	<b>Operating Temperature</b> C=0 to +70C F=-20 to +70C M=-40 to +85C	<b>Frequency (MHz)</b>

<sup>1</sup> Not all frequency, tolerance, stability, load, and operating temperature combinations may be available.

<sup>2</sup> Listed load capacitances represent the most commonly used. Other load capacitances are available.

Contact Fox Technical Support for assistance



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	<b>Drawing Number:</b> 101146		<b>Size:</b> A
	<b>Part Number:</b>		<b>Cage:</b> 61429
	<b>Draftsperson:</b> BEC	<b>Approved:</b> MAJ	<b>Revision Date:</b> 04/16/2019

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