

(former FQ3225B) DATASHEET

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Tolerances down to 20 PPM

Stabilities down to 20 PPM

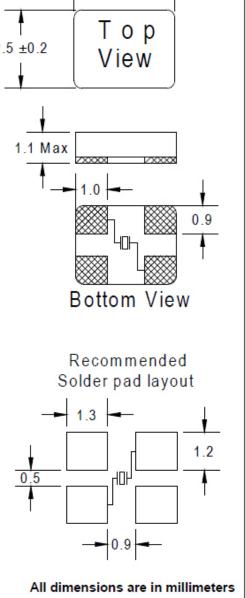
• STANDARD SPECIFICATIO	ONS		3.2 ±0.2
PARAMETERS	MAX (unless otherwise noted)		
Frequency Range (Fo)	12.000 ~ 50.000 MHz		
Frequency Tolerance @ 25°C	(See options on page 2)	I T	Top
Frequency Stability, ref @ 25°C		2.5 ±0.2	
Over Operating Temp Range	(See options below)		View
Temperature Range			l
Operating (TOPR)	(See options on page 2)	_	
Storage (TSTG)	-55°C ~ +125°C		
Shunt Capacitance (Co)	3 pF		
Load Capacitance (CL)	(See options on page 2)	1.1 Max	200000 1/20
Drive Level	0.1 mW		
Aging per year	±5 PPM	'	1.0 🖛
Maximum Soldering Temp / Time	260°C / 10 Seconds		xxxx xx
Moisture Sensitivity Level (MSL)	1		i i i i i i i i i i i i i i i i i i i
Termination Finish	Ag		Г <sup>ссс</sup> 4 <sub>П-</sub> <sup>сс</sup>
Seam Method	Resin Sealed		
Lead (Pb) Free	YES		I KA
RoHS / REACH Compliant	YES		Rottom V
•		1	SOHOD V

Frequency Range (MHz)	Operating Mode	Max ESR $\Omega$
12.000 ~ 15.999999	Fundamental	120
16.000 ~ 20.000	Fundamental	100
20.000001 ~ 25.000	Fundamental	80
25.000001 ~ 30.000	Fundamental	60
30.000001 ~ 50.000	Fundamental	50

## • Available Operating Temperatures and Stabilities\*

Stability Temperature	±20 PPM	±25 PPM	±30 PPM	±50 PPM
-10 ~+70⁰C	0	0	0	0
-20 ~+70⁰C	0	0	0	0
-40 ~+85⁰C	Δ	0	0	0

Key: O=Available, X=Not Available, ∆=Consult Fox Technical Support \*Does not imply a stocked part.



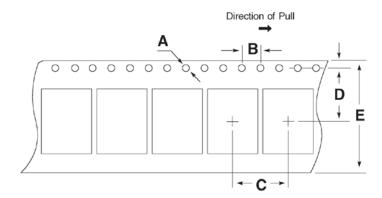
224	Title / Description: C3BQ STANDARD SPECIFICATIONS			
FÖX	Drawing Number: 1000	Size: A		
FOX	Part Number:		Cage: 61429	
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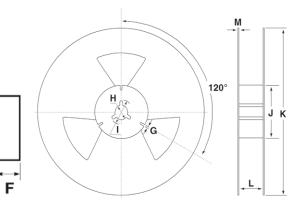


C3BQ (former FQ3225B) DATASHEET

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TAPE SPECIFICATIONS (millimeters)				• REE	EL SPE		<b>ATIO</b>	NS (mil	limeter	s)			
Α	В	С	D	Е	F	STD Reel QTY	G	Н	I	J	к	L	М
Ø1.5	4.0	4.0	3.5	8.0	1.25	3,000	2.0	Ø13	Ø <b>21</b>	Ø62	Ø178	9.0	1.2





	Available Options & Part Identification for SMD Crystal C3BQ* <u>F C3BQ B B M E 25.0</u>							
F	C3BQ	В	В	Μ	E	25.0		
<u>FOX</u>	Model <u>Number</u>	Tolerance B=50ppm C=30ppm D=25ppm E=20ppm	Stability B=50ppm C=30ppm D=25ppm E=20ppm	Load <u>Capacitance</u> V=7pF D=8pF E=10pF G=12pF K=16pF L=18pF <b>M=20pF</b> N=22pF	<b>Operating</b> <u>Temperature</u> <b>E=-10 to +70C</b> F=-20 to +70C M=-40 to +85C	Frequency <u>(MHz)</u>		

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

224	Title / Description: C3BQ STANDARD SPECIFICATIONS			
FÖX	Drawing Number: 1006	Size: A		
FOX	Part Number:		Cage: 61429	
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C3BQ (former FQ3225B) DATASHEET

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C3BQ (former FQ3225B) Standard Crystals							
Part Number	Frequency	Tolerance	Stability	Temp Range	CL		
FQ3225B-12.000	12.000000	+/- 50 ppm	+/- 50 ppm	-10 to +70 C	20pF		
FQ3225B-16.000	16.000000	+/- 50 ppm	+/- 50 ppm	-10 to +70 C	20pF		
FQ3225B-20.000	20.000000	+/- 50 ppm	+/- 50 ppm	-10 to +70 C	20pF		
FQ3225B-24.000	24.000000	+/- 50 ppm	+/- 50 ppm	-10 to +70 C	20pF		
FQ3225B-25.000	25.000000	+/- 50 ppm	+/- 50 ppm	-10 to +70 C	20pF		
FQ3225BR-12.000	12.000000	+/- 50 ppm	+/- 50 ppm	-40 to +85 C	20pF		
FQ3225BR-16.000	16.000000	+/- 50 ppm	+/- 50 ppm	-40 to +85 C	20pF		
FQ3225BR-20.000	20.000000	+/- 50 ppm	+/- 50 ppm	-40 to +85 C	20pF		
FQ3225BR-24.000	24.000000	+/- 50 ppm	+/- 50 ppm	-40 to +85 C	20pF		
FQ3225BR-25.000	25.000000	+/- 50 ppm	+/- 50 ppm	-40 to +85 C	20pF		



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

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₽ <b>A</b>	Title / Description: C3B	Title / Description: C3BQ STANDARD SPECIFICATIONS			
FUX	Drawing Number: 1000	Drawing Number: 100658			
FOX	Part Number:		Cage: 61429		
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