

Glass Seal Crystal



Model: C3BG Formerly FX325BG Series RoHS/REACH Compliant - Exemption 7c-i Rev. 07/10/2018

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FEATURES

- Tape and Reel (3,000 pcs. STD)

PART NUMBER SELECTION

See available stabilities and operating temperatures on page 2.

• STANDARD SPECIFICATIONS¹

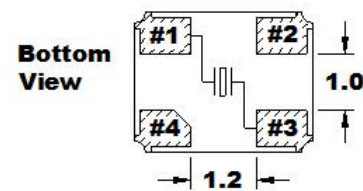
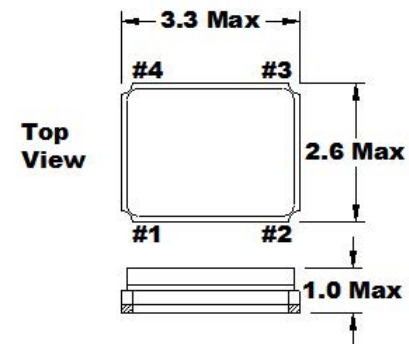
PARAMETERS	MAX (unless otherwise noted)
Frequency Range	12.000 ~ 54.000 MHz
Frequency Tolerance @ 25°C	See options on page 2
Frequency Stability, ref @ 25°C	See options on page 2
Temperature Range	
Operating (TOPR)	See options on page 2
Storage (TSTG)	-40°C ~ +85°C
Shunt Capacitance (Co)	5pF
Load Capacitance (CL)	See options on page 2
Drive Level	100uW
Aging per year	±5 PPM
Maximum Soldering Temp / Time	260°C / 10 Seconds
Moisture Sensitivity Level (MSL)	1
Termination Finish	Au
Seal Method	Glass

Other tolerances, stabilities & operating temperature ranges available.

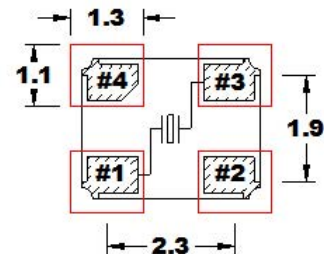
Consult Fox Customer Service for specific requirements.

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. The above specifications, having been carefully prepared and checked, is believed to be accurate at the time of publication; however, no responsibility is assumed by Fox Electronics for inaccuracies. All specifications subject to change without notice.

Frequency Range (MHz)	Operating Mode	Max ESR Ω
12.000 ~ 15.999999	Fundamental	150
16.000 ~ 54.000000	Fundamental	80



Recommended Solder Pad Layout



All measurements are in millimeters

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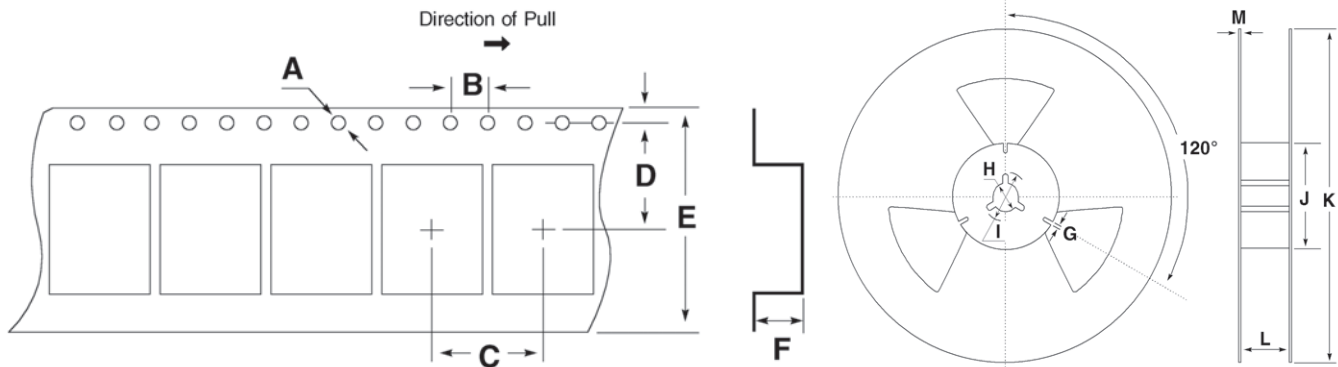
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• TAPE SPECIFICATIONS (millimeters)								• REEL SPECIFICATIONS (millimeters)							
MODEL	A	B	C	D	E	F	STD Reel QTY	MODEL	G	H	I	J	K	L	M
C3BG	Ø1.55	4.0	4.0	3.5	8.0	1.4	3,000	C3BG	2.0	Ø13	Ø21	Ø60	Ø180	9.0	2.0



C3BG Series Available Options and Part Numbering

F C3BG _ _ _ 20.0						
F	C3BG	Select LTR	Select LTR	Select LTR	Select LTR	20.000
Fox	Model Number 3.2 x 2.5mm, 4-pad Glass seal	Tolerance B = ±50 PPM C = ±30 PPM D = ±25 PPM E = ±20 PPM F = ±15 PPM	Stability B = ±50 PPM C = ±30 PPM D = ±25 PPM E = ±20 PPM F = ±15 PPM	Ckt Condition D = 8pF W = 9pF E = 10pF G = 12pF K = 16pF L = 18pF M = 20pF	Operating Temp D = -10 to +60°C F = -20 to +70°C M = -40 to +85°C	Frequency

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