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With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

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2.5x4.0mm Ceramic SMD Crystal C4BS

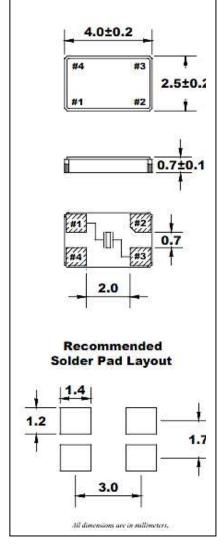
(former FX425B)

DATASHEET

- Tolerances down to ±10 PPM
- Stabilities down to ±5 PPM
- Temperature Ranges as wide as -40°C to +85°C

• SPECIFICATIONS				
PARAMETERS	MAX (unless otherwise noted)			
Frequency Range	12.000 ~ 50.000 MHz			
Frequency Tolerance @ 25°C	(See options on page 2)			
Frequency Stability, ref @ 25°C	(See options below)			
Temperature Range				
Operating (TOPR)	(See options below)			
Storage (TsTG)	-55ºC ~ +125ºC			
Shunt Capacitance (Co)	5 pF			
Load Capacitance (C _I)	(See options on page 2)			
Drive Level	0.1 mW			
Aging per year	±5.0 PPM			
Maximum Soldering Temp / Time	260°C / 10 Seconds			
Moisture Sensitivity Level (MSL)	1			
Termination Finish	Au			
Seal Method	Seam Seal			
Lead (Pb) Free	Yes			
RoHS/REACH Compliant	Yes			

Frequency Range (MHz)	Operating Mode	Max ESR Ω
12.000 ~ 12.999999	Fundamental	120
13.000 ~ 50.000	Fundamental	80



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	±5 PPM	±10 PPM	±15 PPM	±20 PPM	±25 PPM	±30 PPM	±50 PPM
-10°C to +60°C	0	0	0	0	0	0	0
-20°C to +70°C	Х	0	0	0	0	0	0
-40°C to +85°C	X	X	0	0	0	0	0

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

\$13 5	Title / Description: C4BS SERIES STANDARD SPECIFICATIONS				
	Drawing Number: 101172	Size: A			
FÖX	Part Number:	Cage: 61429			
© Copyright 2017 Fox Electronics All rights reserved	Draftsperson: MK	Approved: RB	Revision Date: 11/09/2017		

^{*}Does not imply a stocked part.



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(former FX425B)

DATASHEET

TAPE SPECIFICATIONS (millimeters)					• REE	L SPEC	CIFICAT	TIONS ((millimet	ers)			
Α	В	С	D	E	F	STD Reel	G	Н	- 1	J	K	L	М
Ø1.5	4.0	4.0	5.5	12.0	1.3	1,000	2.0	Ø 13	Ø 21	Ø 80	Ø 180	13.5	2.0
	000	000	<u>A</u>	→ B	on of Pull	↓	F		H	, G		J K	

Available Options & Part Identification for Automotive Crystal Model C4BS* F C4BS B M D 12.0

F	C4BS	В	В	M	D	12.0
<u>FOX</u>	Model <u>Number</u>	Tolerance B = 50 PPM C = 30 PPM D = 25 PPM E = 20 PPM F = 15 PPM H = 10 PPM	Stability B = 50 PPM C = 30 PPM D = 25 PPM E = 20 PPM F = 15 PPM H = 10 PPM L = 5 PPM	Load Capacitance B = 10 pF G = 12 pF U = 13 pF K = 16 pF L = 18 pF M = 20 pF R = 32 pF	Operating <u>Temperature</u> D = -10 ~ +60 °C F = -20 ~ =70 °C M = -40 ~ =85 °C	Frequency (MHz)

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



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