



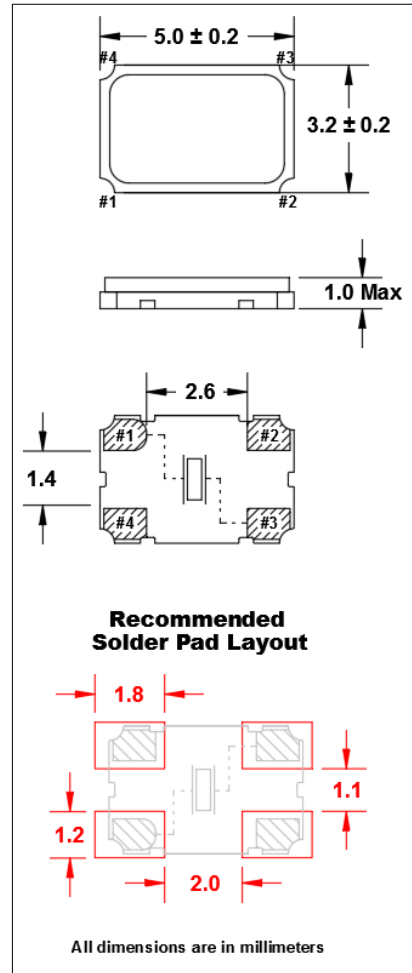
5.0mm x 3.2mm Ceramic SMD Crystal C5BS

(former FX532B)

DATASHEET

- Tolerances down to 10 PPM
- Stabilities down to 5 PPM

• C5BS STANDARD SPECIFICATIONS ¹	
PARAMETERS	MAX (unless otherwise noted)
Frequency Range	8.000 ~ 200.000 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)	-55°C ~ +125°C
Shunt Capacitance (Co)	5.0 pF
Load Capacitance (CL)	(See options on page 2)
Drive Level	0.1 mW
Aging per year	±5 PPM
Maximum Soldering Temp / Time	260°C / 10 Seconds
Moisture Sensitivity Level (MSL)	1
Termination Finish	Au over Ni
Seal Method	Seam Seal
Lead (Pb) Free	Yes
RoHS Compliant	Yes



Frequency Range (MHz)	Operating Mode	Max ESR Ω
8.000 ~ 9.999999	Fundamental	150
10.000 ~ 11.999999	Fundamental	80
12.000 ~ 15.999999	Fundamental	60
16.000 ~ 200.000	Fundamental	40
>40.000 ~ 150.000	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*

Operating Temperature	±5 PPM	±10 PPM	±15 PPM	±20 PPM	±25 PPM	±30 PPM	±50 PPM
-10 ~ +60°C	O	O	O	O	O	O	O
-20 ~ +70°C	X	O	O	O	O	O	O
-40 ~ +85°C	X	X	O	O	O	O	O

Key: O=Available, X=Not Available

*Does not imply a stocked part.



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Title / Description: C5BS SERIES STANDARD SPECIFICATIONS	
Drawing Number:	Size: A
Part Number:	Cage: 61429
Draftsperson: CMR	Approved: RB
Revision Date: 05/25/2017	

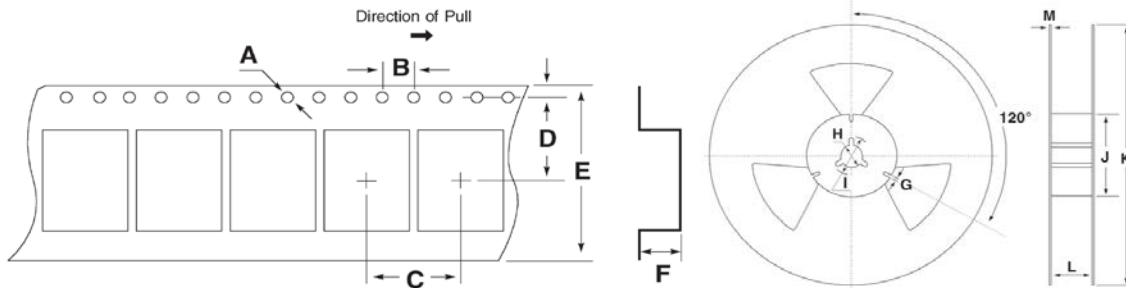


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(former FX532B)

DATASHEET

• 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	1.7	1,000	2.0	Ø13	Ø21	Ø80	Ø250	13.5	2.0



Available Options & Part Identification for Ceramic SMD Crystal C5BS*

F C5BS C C E M 25.0

F	C5BS	C	C	E	M	25.0
<u>FOX</u>	<u>Model Number</u>	<u>Tolerance</u> B=50ppm C=30ppm D=25ppm E=20ppm F=15ppm H=10ppm	<u>Stability</u> B=50ppm C=30ppm D=25ppm E=20ppm F=15ppm H=10ppm L=5ppm	<u>Load Capacitance</u> E=10pF G=12pF J=15pF K=16pF L=18pF M=20pF	<u>Operating Temperature</u> D=-10 to +60C F=-20 to +70C M=-40 to +85C	<u>Frequency (MHz)</u>

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



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