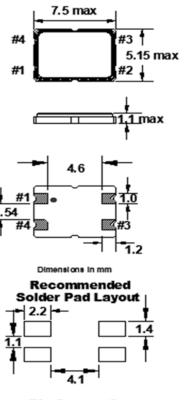


Tolerances down to ±10 PPM Stabilities down to ±5 PPM Operating Temperature Range to -55°C ~ +125°C Fundamental (Inverted Mesa) > 50 MHz

SPECIFICATIONS							
PARAMETERS	MAX (unless otherwise noted)						
Frequency Range (F ₀)	6.000 ~ 312.000 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 pF						
Load Capacitance (C _L)	(See options on page 2)						
Drive Level							
6.000 ~ 100.000 MHz							
(Fund to 50MHz, 3rd OT, 5th OT)	0.5 mW						
>50.000 ~ 312 MHz	0.1 mW						
(Fund Inverted Mesa)	0.111100						
Aging per year	±3 PPM						
Maximum Soldering Temp / Time	260°C / 10 Seconds x 2						
Moisture Sensitivity Level (MSL)	1						
Termination Finish	Au over Ni						
Seal Method	Seam						
Lead (Pb) Free	Yes						
RoHS/REACH Compliant	Yes						

Frequency Range (MHz)	Operating Mode	Max ESR (Ω)
6.000 ~ 9.999999	Fundamental	80
10.000 ~ 15.999999	Fundamental	50
16.000 ~ 31.999999	Fundamental	40
32.000 ~ 39.999999	Fundamental	30
40.000 ~ 312.000	Fundamental	20
28.000 ~ 84.000	3 RD OT	70
84.000 ~ 100.000	5 [™] ОТ	80



Pin Connections #4 - Lid/Gnd #3 - Crystal #1 - Crystal #2 - Lid/Gnd

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	±100 PPM
0 ~ +70°C	Х	0	0	0	0	0	0	N/A
-10 ~ +60°C	0	0	0	0	0	0	0	N/A
-10 ~ +70°C	Х	0	0	0	0	0	0	N/A
-20 ~ +70°C	Х	0	0	0	0	0	0	N/A
-30 ~ +85°C	Х	Х	0	0	0	0	0	N/A
-40 ~ +85°C	Х	Х	0	0	0	0	0	N/A
-40 ~ +105°C	Х	Х	Х	Х	Х	Х	0	0
-40 ~ +125°C	X	X	Х	X	Х	X	0	0
-55 ~ +155°C	X	X	Х	X	Х	X	0	0

Key: O=Available, X=Not Available, N/A=Not Applicable

24	Title / Description: C7BS	Title / Description: C7BS SERIES STANDARD SPECIFICATIONS				
FÖX	Drawing Number: C7BS-I	Drawing Number: C7BS-DOC-2				
FOX	Part Number:	Part Number:				
© Copyright 2019 Fox Electronics. All rights reserved	Draftsperson: BEC	Approved: MAJ	Revision Date: 06/04/2019			
			Dava 4 af 0			



TAPE SPECIFICATIONS (millimeters)						• REE	L SPE	CIFIC	ATION	S (millir	neters)		
Α	В	С	D	Е	F	Reel QTY	G	н	I	J	К	L	Μ
Ø1.55	4.0	8.0	7.5	16.0	1.7	-T1 = 1,000 -T2 = 2,000	2.0	Ø13	Ø21	Ø80	Ø250	17.5	2.0
]		H	A G	120°	M 	K	

Available Options & Part Identification for Crystal Model C7BS¹ <u>F C7BS B B M D 25.0</u>

F	C7BS	В	В	М	D	25.0
FOX	Model Number	Tolerance	Stability	Load Capacitance ²	Operating Temperature	Frequency (MHz)
		B = ±50 PPM C = ±30 PPM D = ±25 PPM E = ±20 PPM F = ±15 PPM H = ±10 PPM	A = ±100 PPM B = ±50 PPM C = ±30 PPM D = ±25 PPM E = ±20 PPM F = ±15 PPM H = ±10 PPM L = ±5 PPM	E = 10 pF G = 12 pF J = 15 pF K = 16 pF L = 18 pF M = 20 pF	C = 0 to +70°C D = -10 to +60°C E = -10 to +70°C F = -20 to +70°C K = -30 to +85°C M = -40 to +85°C P = -40 to +105°C I = -40 to +125°C T = -55 to +125°C	

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

² Listed load capacitances represent the most commonly used. Other load capacitances are available. Contact Fox Technical Support for assistance



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

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X	Title / Description: C7BS SERIES STANDARD SPECIFICATIONS			
FÖX	Drawing Number: C7BS-DOC	Size: A		
FOX	Part Number:	Cage: 61429		
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