

1.2x1.0mm Ceramic SMD Crystal CABS

DATASHEET

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

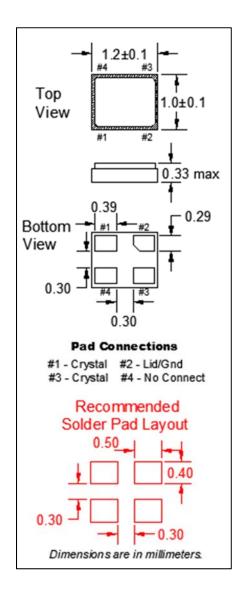
• SPECIFICATIONS						
PARAMETERS	MAX (unless otherwise noted)					
Frequency Range	32.000 ~ 80.000 MHz					
Frequency Tolerance @ 25°C	(See options on page 2)					
Frequency Stability, ref @ 25°C	(See options below)					
Temperature Range						
Operating (TOPR)	(See options below)					
Storage (Tstg)	-55°C ~ +125°C					
Shunt Capacitance (Co)	2 pF					
Load Capacitance (C _L)	(See options on page 2)					
Drive Level	100 μW (10μW typical)					
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					
Lead (Pb) Free	Yes					
RoHS/REACH Compliant	Yes					

Frequency Range (MHz)	Operating Mode	Max ESR Ω
32.000 ~ 32.999999	Fundamental	100
33.000 ~ 36.999999	Fundamental	80
37.000 ~ 80.000	Fundamental	60

Available Operating Temperatures and Stabilities*

Operating Temperature	±10 PPM	±15 PPM	±20 PPM	±25 PPM
-20 ~+70°C	0	0	0	0
-30 ~+85°C	Х	0	0	0
-40 ~+85°C	Х	0	0	0

Key: O=Available, X=Not Available *Does not imply a stocked part.



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.



Title / Description: CABS SERIES STANDARD SPECIFICATIONS					
Drawing Number: CABS-DOC-1 Size: A					
Part Number:	Cage: 61429				
Draftsperson: BEC	Approved: MAJ	Revision Date: 06/13/2019			

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TAPE SPECIFICATIONS (millimeters)					• REE	L SPEC	CIFICA	TIONS (millimet	ers)			
Α	В	С	D	E	F	Reel QTY	G	н	-1	J	К	L	M
Ø1.5	4.0	4.0	3.5	8.0	0.45	-T3 = 3,000 -T5 = 5,000	2.0	Ø13	Ø 2 1	Ø60	Ø180	9.0	1.5
					F		H	1	120°	J K			

Available Options & Part Identification for CABS* F CABS F F D M 40.0

F	CABS	F	F	D	M	40.0
FOX	Model <u>Number</u>	Tolerance D = ±25 PPM E = ±20 PPM F = ±15 PPM H = ±10 PPM	Stability D = ±25 PPM E = ±20 PPM F = ±15 PPM H = ±10 PPM	Load Capacitance ¹ B = 6 pF V = 7 pF D = 8 pF E = 10 pF G = 12 pF	Operating <u>Temperature</u> F = -20 ~ +70°C K = -30 ~ +85°C M = -40 ~ +85°C	Frequency (MHz)

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

¹Listed load capacitances represent the most commonly used. Other load capacitances are available.



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Draftsperson: BEC	Approved: MAJ	Revision Date: 06/13/2019				

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