

### 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

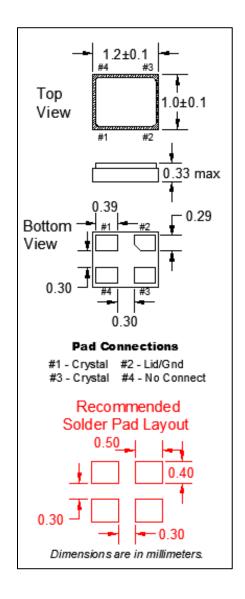
• SPECIFICATIONS				
PARAMETERS	MAX (unless otherwise noted)			
Frequency Range	32.000 ~ 80.000 MHz			
Frequency Tolerance @ 25°C	(See options on page 2)			
Frequency Stability, ref @ 25°C	(See options below)			
Temperature Range				
Operating (TOPR)	(See options below)			
Storage (TsTG)	-55°C ~ +125°C			
Shunt Capacitance (Co)	2 pF			
Load Capacitance (C <sub>L</sub> )	(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 $\Omega$
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	X	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.



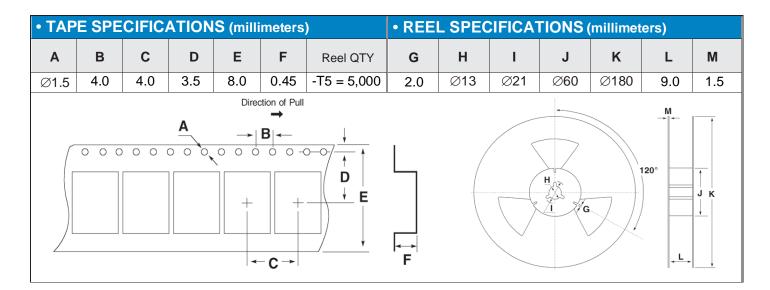
Title / Description: CABS SERIES STANDARD SPECIFICATIONS			
Drawing Number: CABS-DOC-1		Size: A	
Part Number:		Cage: 61429	
Draftsperson: BEC	Approved: MAJ	Revision Date: 04/27/2020	

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

F	CABS	F	F	D	M	40.0
<u>FOX</u>	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 <u>Capacitance<sup>1</sup></u> B = 6 pF V = 7 pF <b>D = 8 pF</b> E = 10 pF G = 12 pF	Operating <u>Temperature</u> F = -20 ~ +70°C K = -30 ~ +85°C M = -40 ~ +85°C	Frequency (MHz)

<sup>\*</sup>Not all frequency, tolerance, stability, load, and operating temperature combinations may be available.

<sup>&</sup>lt;sup>1</sup>Listed load capacitances represent the most commonly used. Other load capacitances are available.



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