



EAS CORPORATION

SPECIFICATION FOR APPROVAL

CUSTOMER : _____

PRODUCT TYPE : SMD 3215 TUNING FORK TYPE

NOMINAL FREQ. : 32.768KHz

EAS P/N : EAS3215SB32.768KC5DLR3

REVISION : S1

CUSTOMER P/N : _____

PM / SALES : _____

DATE : _____

CUSTOMER SIGNATURE & Date _____

- (1) EAS requires one copy returned with signature and title of authorized individual that signifies acceptance of the attached specifications.
- (2) Orders received and accepted by EAS after return of signed copy of specification will be produced per these specifications.
- (3) Any changes to these specifications must be agreed upon by both parties and new revision of the Product Specification Sheet will be issued.
- (4) Any issuance of purchase order prior to consigning back the Approval page of "Specification Sheets" from customers will be regarded as the agreement on the contents of these specifications.

Attachment: Product Specification Sheet

1 _____

2 _____

3 _____

4 _____

5 _____

RoHS Compliant



EAS CORPORATION

PRODUCT SPECIFICATION SHEET

PRODUCT TYPE : SMD 3215 TUNING FORK TYPE
NOMINAL FREQ. : 32.768KHz
EAS P/N : EAS3215SB32.768KC5DLR3
REVISION : S1

RD	QA	MFG

NOTE:

- (1)Lead Free Products are "Directive 2002/95/EC of The European Parliament of 27 January 2003 on the restriction of the use of certain hazardous substances (RoHS) in electrical and electronic equipment" Compliant (Attachment: SGS Test Report).
- (2)Revision "Sx" is for engineering samples only. PE/RD's approval required.
- (3)Revision "Ax" is production ready. PE, QA and MFG's approval required

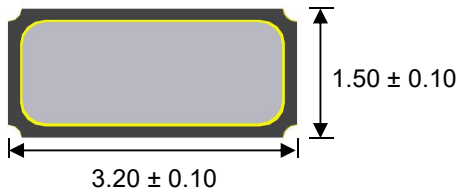
RoHS Compliant

■ ELECTRICAL SPECIFICATIONS

	Parameters	SYM.	Electrical Spec.				Notes
			MIN	TYPE	MAX	UNITS	
1	Nominal Frequency	F0	32.768			KHz	-
2	Frequency Tolerance	-	± 20			ppm	at 25 °C
3	Driver Level	DL	-	0.1	0.5	uW	-
4	Load Capacitance	CL	12.5			pF	-
5	Series Resistance	-	-	-	70	KΩ	-
6	Peak Temperature (Frequency)	-	20	25	30	°C	at 25 °C ±5 °C
7	Frequency-Temperature coefficient	-	-	-	-4.0*10 ⁻⁸	°C ²	-
8	Storage Temperature	-	-55	~	125	°C	-
9	Operating Temperature	-	-40	~	85	°C	-
10	Shunt Capacitance	C0	-	1.05	-	pF	-
11	Motional Capacitance	C1	-	3.7	-	fF	-
12	Insulation Resistance	-	500	-	-	MΩ	at DC 100V±15V
13	Aging	-	±3			ppm	1st Year

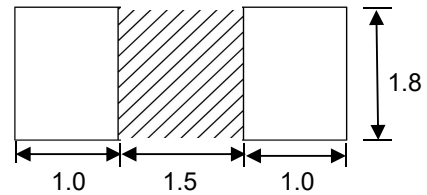
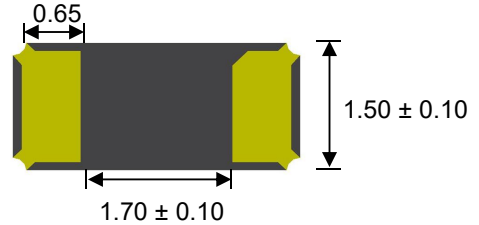
■ DIMENSIONS

(UNIT:mm)



■ RECOMMENDED SOLDER PAD

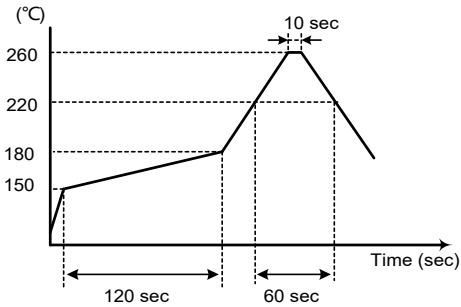
(UNIT:mm)



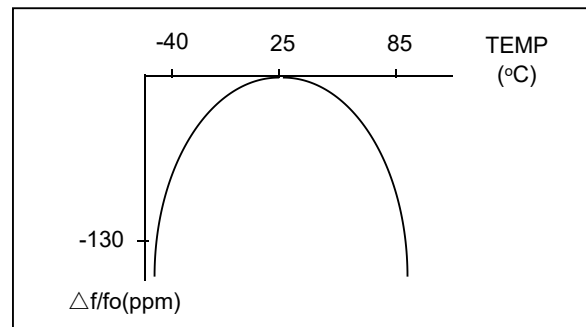
■ SUGGESTED REFLOW PROFILE

Total time : 200 sec. Max.

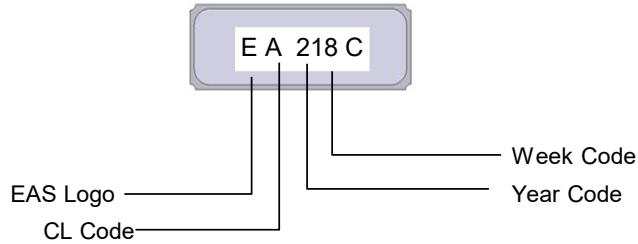
Solder melting point :220 °C



■ TEMPERATURE V.S FREQUENCY CURVE



MARKING



Year Code:

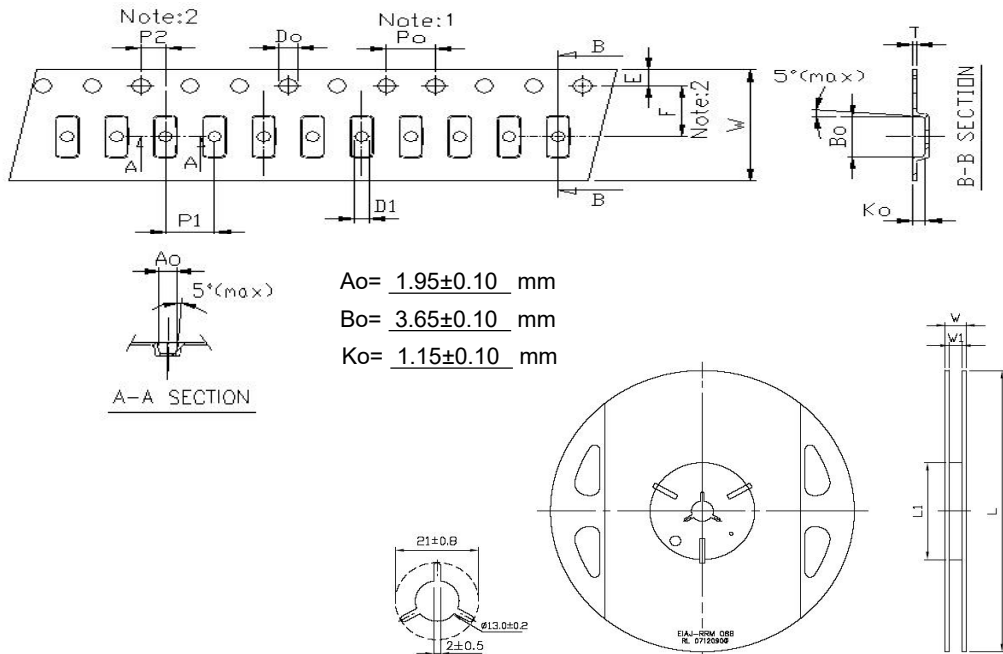
2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
0	1	2	3	4	5	6	7	8	9	0	1

PN:CL Code

KHz	PF	CODE	KHz	PF	CODE	KHz	PF	CODE	KHz	PF	CODE
32.768	12.5	A	32.768	9	B	32.768	7	C	32.768	6	D

Production location:CHINA

PACKING



$A_o = 1.95 \pm 0.10 \text{ mm}$

$B_o = 3.65 \pm 0.10 \text{ mm}$

$K_o = 1.15 \pm 0.10 \text{ mm}$

DIMENSIONS	K1	P0	P1	P2	D0	D1	E	F	10P0	W	T	pcs / Reel
	-	4	4	2	1.55	1.1	1.75	3.5	40	8	0.2	3K

REEL DIMENSIONS	W	W1	L	L1
	11.4±1	9.0±0.3	180+0/-3	60+1/-0

- REMARK :
- 230 mm (9.05) minimum leader which consist of carrier and/or tape followed by a minimum of 160 mm (6.3) of empty carrier tape sealed with cover tape.
 - 160 mm (6.3) minimum trailer of empty carrier tape sealed with cover tape.

