

APPROVAL SHEET

 Customer
 Name
 :

 Customer
 P/N
 :

 Frequency
 :
 32.768000
 KHz

 Aker Approved P/N
 :
 D31N-032768-3-AL-00

 Aker MPN
 :
 D31N-032768-3-AL-00

 REVISION
 :
 A0

 ISSUED DATE
 :
 2022/8/25

APPROVED	CHECKED	PREPARED						
Evrnest		Kiku						
APPROVED BY CUSTOMER								

AKER TECHNOLOGY CO., LTD.

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RoHS compliant



Aker Approved P/N:	D31N-0327	D31N-032768-3-AL-00		
APPROVED :	Earnest	SHEET: 1 of 4		
PREPARED :	Kiku	REV . : A0		
		Confidential		

Date	Reviser	Revise contents
2022/8/25	Kiku	Initial Released



	Aker Approved P/N	:	D31N-032768-3-AL-00
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APPROVED : Earnest SHEET : 2 of 4

PREPARED : Kiku REV . : A0

Confidential

TUNING FORK CRYSTAL SPECIFICATION

1. ELECTRICAL CHARACTERISTICS

Nominal Frequency 32.768 kHz

Operating Temperature Range $-40 \sim +125 \,^{\circ}\text{C}$

Storage Temperature Range $-55 \sim +125 \,^{\circ}\text{C}$

Frequency Tolerance ±20ppm

Frequency Tolerance over Turnover Temp.; 25±5 ℃

Operating Temperature Range Temp.Coefficient:-0.034±0.006ppm/℃

Equivalent Series Resistance $90k \Omega$ Max.

Insulation Resistance 500M Ω Min./DC100V \pm 15V

Shunt Capacitance 0.95pF Typ

Load Capacitance 12.5pF

This Load Capacitance has been fixed on customer's

request.

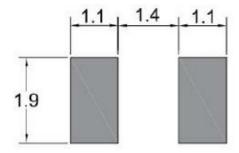
Level of Drive 1µW Max.



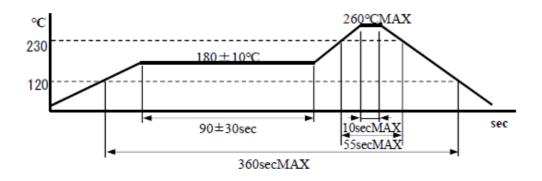
Aker Approved P/N:		D31N-032768-3-AL-00			
APPROVED	•	Earnest SHEET: 3 of 4			
PREPARED	:	Kiku	REV . : A0		

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2. RECOMMENDED SOLDERING PATTERN:(Unit: mm)



3. SOLDERING REFLOW PROFILE:



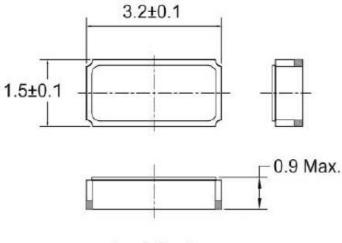
Please kindly be noted that AKER DO NOT guarantee parts quality which involves human security application.

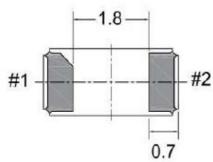


Aker Approved P/N:	D31N-032768-3-AL-00		
APPROVED :	Earnest	SHEET: 4 of 4	
PREPARED :	Kiku	REV . : A0	

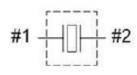
Confidential

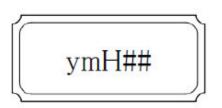
4. DIMENSIONS: (Unit: mm)





Internal Connection





y: The last digit of production year. m: Production month.(See Table 1)

H: Manufacture's ID Code

##: Lot.No.

Table 1

Month	1	2	.,,	9	10	11	12
Code	1	2	•••	9	X	Y	Z