

APPROVAL SHEET

Customer Name : _____
Customer P/N : _____
Frequency : 32.768000 KHz
Aker Approved P/N : D31-032768-BDRD42
Aker MPN : D31-032768-BDRD42
REVISION : A0
ISSUED DATE : 2023/6/8

APPROVED	CHECKED	PREPARED
<i>Earnest</i>		<i>Kika</i>
APPROVED BY CUSTOMER		

AKER TECHNOLOGY CO., LTD.

ADDRESS : NO 11-3, Jianguo Rd., Tanzi Dist., Taichung City 427, Taiwan.

TEL : 886-4-25335978

FAX : 886-4-25336011

Web: www.aker.com.tw

RoHS compliant



Aker Approved P/N : D31-032768-BDRD42	
APPROVED : Earnest	SHEET : 2 of 4
PREPARED : Kiku	REV. : A0
Confidential	

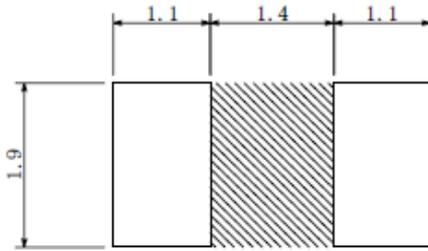
TUNING FORK CRYSTAL SPECIFICATION

1. ELECTRICAL CHARACTERISTICS

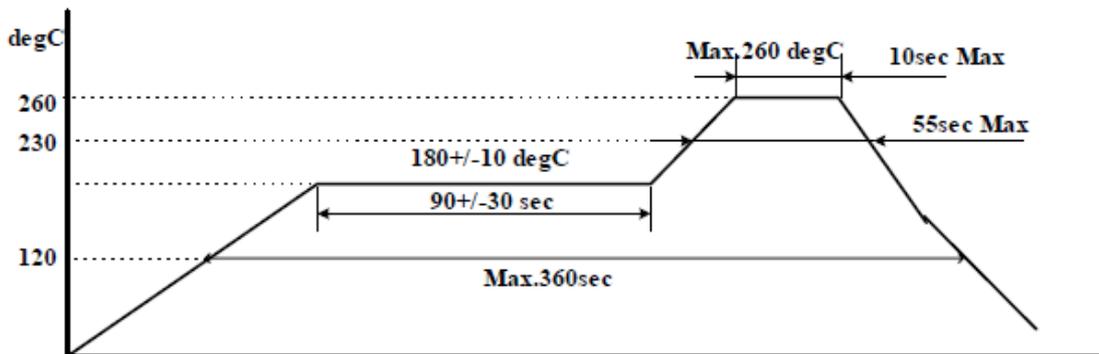
Nominal Frequency	32.768 kHz
Operating Temperature Range	-40 to +85 degC
Storage Temperature Range	-55 to +125 degC
Frequency Tolerance	±20ppm Max. at 25°C
Frequency Tolerance over Operating Temperature Range	Turnover Temp.; 25±/-5 degC Temp. Coefficient: -0.034±/-0.006ppm/degC ²
Equivalent Series Resistance	70k ohm Max. at 25 degC
Insulation Resistance	500M ohm Min./DC100V±/-15V
Shunt Capacitance	0.95pF Typ
Load Capacitance	12.5pF This Load Capacitance has been fixed on customer's request.
Level of Drive	1 Micro W Max.
Aging	±3ppm First Year

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

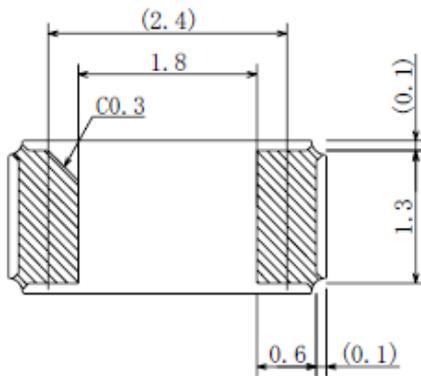
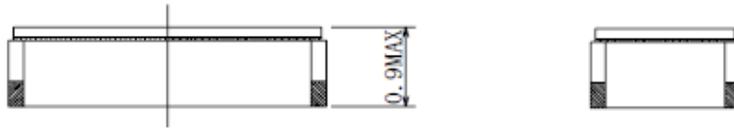
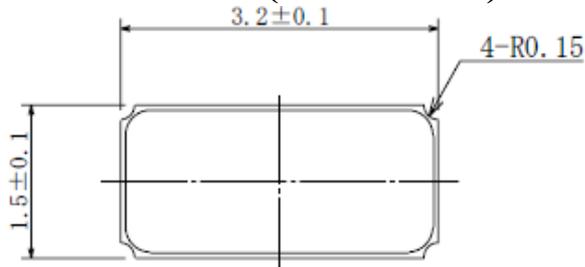
2 . RECOMMENDED SOLDERING PATTERN:(Unit : mm)



3. SOLDERING REFLOW PROFILE :



4 . DIMENSIONS : (Unit : mm)



y: The last digit of production year.

m: Production month.(See Table 1)

###: Lot.No.

ym###

Table 1

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