





Accurate Kinetic Energy

APPROVAL SHEET

Customer Name : _____
Customer P/N : _____
Frequency : 32.768000 KHz
Aker Approved P/N : D21N-032768-2-AL-01
Aker MPN : D21N-032768-2-AL-01
REVISION : A0
ISSUED DATE : 2020/9/30

APPROVED	CHECKED	PREPARED
		
APPROVED BY CUSTOMER		

AKER TECHNOLOGY CO., LTD.

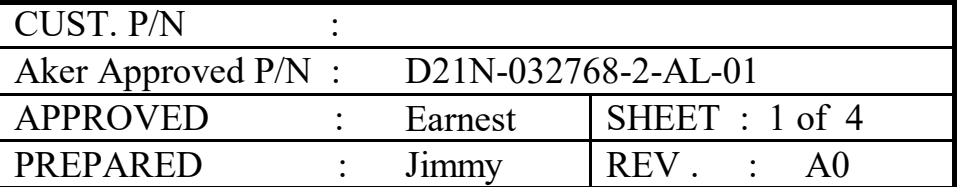
ADDRESS : NO 11-3, Jianguo Rd., Tanzi Dist., Taichung City 427, Taiwan.

TEL : 886-4-25335978

FAX : 886-4-25336011

Web: www.aker.com.tw

RoHS compliant



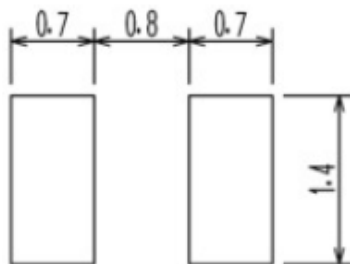
Please kindly be noted that AKER DO NOT guarantee parts quality which involves human security application.

TUNING FORK CRYSTAL SPECIFICATION

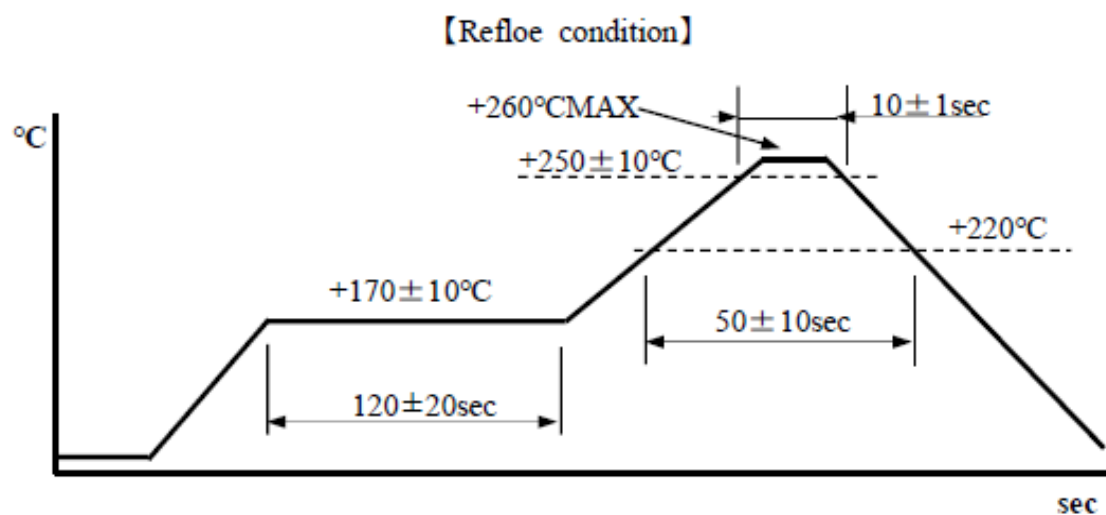
1 . ELECTRICAL CHARACTERISTICS

Nominal Frequency	32.768 kHz
Operating Temperature Range	-40 ~ +85℃
Storage Temperature Range	-55 ~ +125℃
Frequency Tolerance	±20ppm Max. at 25℃
Frequency Tolerance over Operating Temperature Range	Turnover Temp. : 25±5℃ Temp.Coefficient : -0.033±0.003ppm/℃ ²
Equivalent Series Resistance	70kΩ Max.at 25℃
Insulation Resistance	500MΩ Min./DC100V±15V
Shunt Capacitance	1.3pF Typ.
Load Capacitance	9.0pF This Load Capacitance has been fixed on customer's request.
Level of Drive	1.0μW Max.

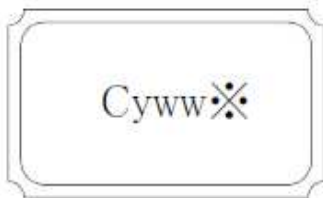
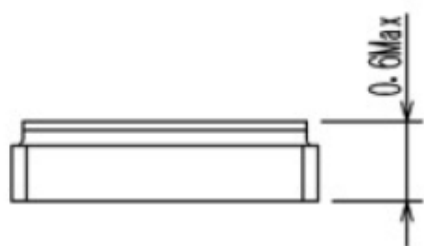
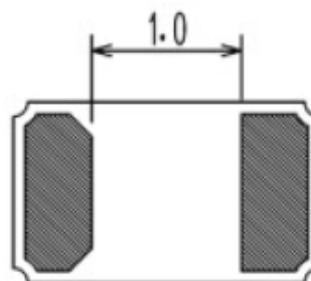
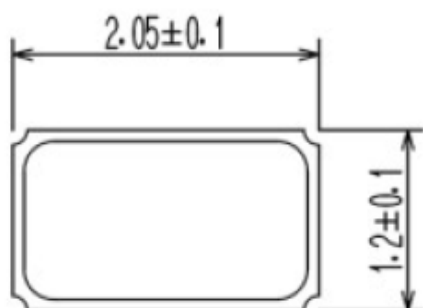
2 . RECOMMENDED SOLDERING PATTERN:(Unit : mm)



3. SOLDERING REFLOW PROFILE :



4 . DIMENSIONS : (Unit : mm)



C: Manufacture's ID Code
 y: The last digit of production year.
 ww: Week Code
 ✱: CL Code 6.0pF: B
 7.0pF: Y
 9.0pF: C
 12.5pF: F