

Test Report

Report No. A221031773710101

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Company Name
Shown on Report PCBWayAddress ROOM 1105-1108, NO.2 BUILDING, EST MALL BUSINESS CENTER,
NO.698 CHANGBANG ROAD, XIACHENG DISTRICT, 310004,
HANGZHOU, CHINA

The following sample(s) and sample information was/were submitted and identified by/on the behalf of the client

Sample Name 样品 1
Material pcb
Sample Received Date Aug. 9, 2021
Testing Period Aug. 9, 2021-Aug. 17, 2021

Test Requested

No.	Test Item
1	Coefficient of Linear Thermal Expansion

Test Result(s): Please see the following pages.

Approved by Annie LangDate Aug. 17, 2021No. RF33A28FD6
Hongwei Industrial Zone, Bao'an 70 District, Shenzhen, Guangdong, China

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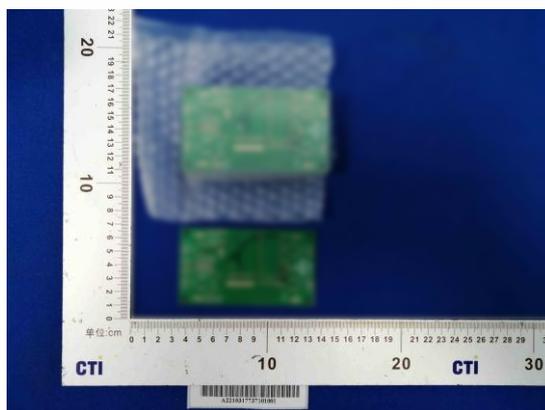
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Tested Sample(s)

Sample No.	Sample Name	Material
A2210317737101001	样品 1	pcb

Sample Photo(s)



A2210317737101001

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Test Item: Coefficient of Linear Thermal Expansion**1. Test Equipment**

Equipment Name	Model
Thermal Mechanical Analysis(TMA)	Q400EM

2. Environmental Conditions

Temperature: 22.5°C; Humidity: 49%RH

3. Test Standard: IPC-TM-650 2.4.24C**4. Test Condition**

(1) Preconditioning: Sample(s) is(are) preconditioned by baking for 2h at 105°C, then cooled to room temperature in a desiccator.

(2) Test condition: Heat from 30°C to 270°C at a rate of 10°C/ min in N₂.

5. Test Result(s)

Test Sample	Coefficient of Linear Thermal Expansion (ppm/°C)	
A2210317737101001	50°C~120°C	45.76
	170°C~260°C	248.3

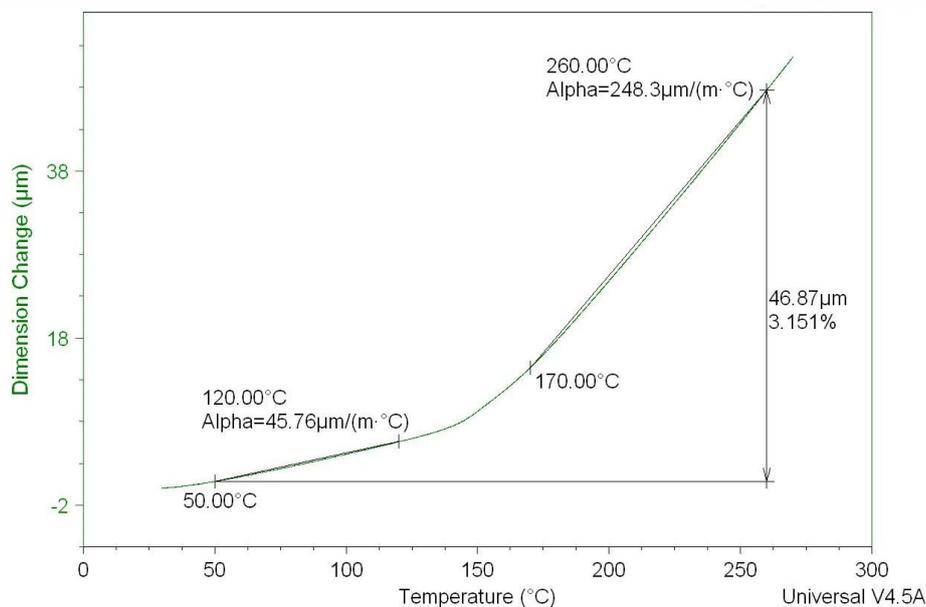


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Test curve



Remark: The testing data and result(s) in this report is(are) just for scientific research, education, internal quality control and product development etc.

Statement:

- 1.This report is considered invalid without approved signature, special seal and the seal on the perforation;
- 2.Company Name and Address shown on Report, the sample(s) and sample Information was/were provided by the applicant who should be responsible for the authenticity which CTI hasn't verified;
- 3.The result(s) shown in this report refer(s) only to the sample(s) tested;
- 4.Without written approval of CTI, this report can't be reproduced except in full;
- 5.In case of any discrepancy between the English version and Chinese version of the testing reports(if generated), the Chinese version shall prevail.

*** End of Report ***

