

Test Report

Report No. A224067456610100105

Page 1 of 4

Company Name PCBWay
Shown on Report

Address 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 sample1
Material pcb
Sample Received Date Oct. 31, 2024
Testing Period Oct. 31, 2024-Nov. 18, 2024

Test Requested

No.	Test Item
1	Coefficient of Linear Thermal Expansion

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

Approved by Annie Lang

Date Nov. 18, 2024



No. RBE474E30D
Hongwei Industrial Zone, Bao'an 70 District, Shenzhen, Guangdong, China

Test Report

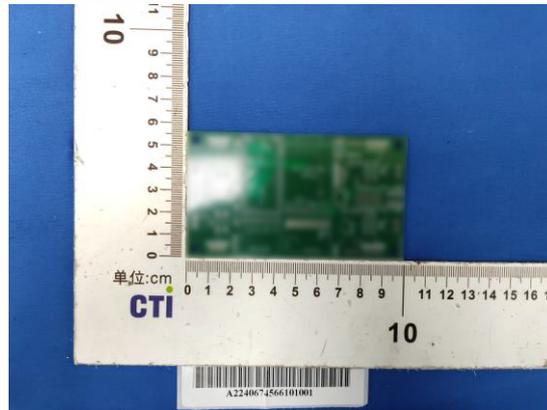
Report No. A224067456610100105

Page 2 of 4

Tested Sample(s)

Sample No.	Sample Name	Material
A2240674566101001	sample1	pcb

Sample Photo(s)



A2240674566101001



Test Report

Report No. A224067456610100105

Page 3 of 4

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

Equipment Name	Model
Thermal Mechanical Analysis(TMA)	TMA450

2. Environmental Conditions

Temperature: 23.5°C; Humidity: 48%RH

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

(1) Preconditioning: Samples 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)		50°C~260°C Percentage of Thermal Expansion (%)
	<T _g	>T _g	
A2240674566101001	34.7577	202.767	2.463
	<T _g	>T _g	

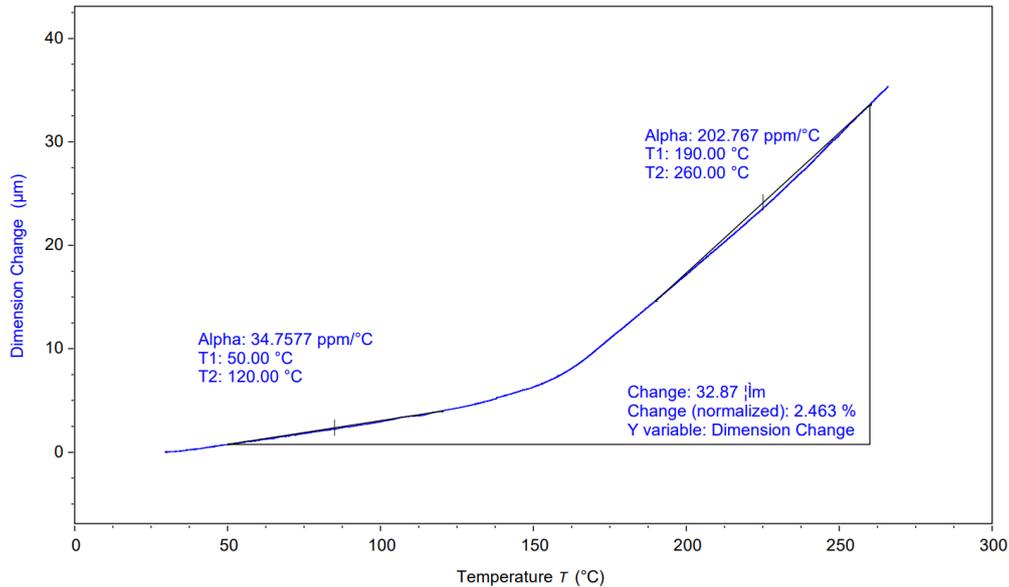


Test Report

Report No. A224067456610100105

Page 4 of 4

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 ***

