

Thermal Resistance Test Report

Date: 2019/06/20

Engineer: Ken

Test Condition

Heat Flux	Pressure	Test Duration	Ambient Temp	Convection
35 Watts	12lbf /5.44kgf	120 minutes	65°C	Natural Convection

Test Data

Sample	Tc (°C)	Ta (°C)	Fan Speed (RPM)	F (kgf)	Q (W)	R (°C/W)
1	82.29	65.20	4007	6.45	34.94	0.49

Test Result

Tc (°C)	R (°C/W)
82.29	0.49



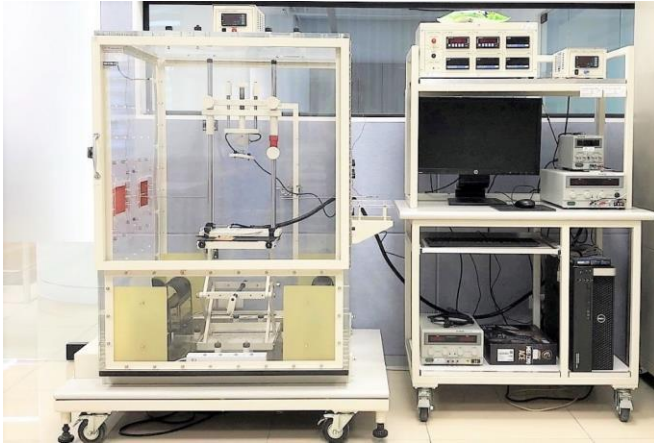
Part Number:

RG3129M-25-002

Description:

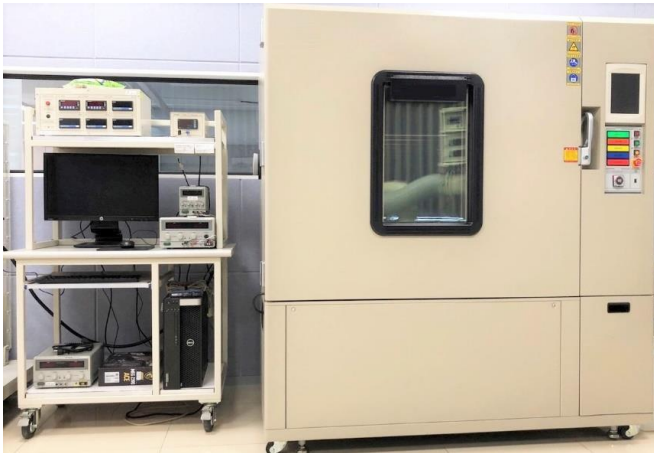
**1U CPU COOLER FOR
MOBILE BGA PACKAGE
PROCESSORS**

Thermal Resistance Test Report



NATURAL CONVECTION

- CPU Cooler Thermal Resistance Measurement Apparatus with Natural Convection Chamber ,4 sets of 650 watts Infrared Radiation Heaters.
- Operating Temperature : Room Temperature ~ 70°C



CIRCULATING CONVECTION

- CPU Cooler Thermal Resistance Measurement Apparatus with Programmable temperature and humidity chamber, Through a mechanical circulation system, using fans and heating coils.
- Operating Temperature : -40°C ~ 150°C

Compression Force Test Report



Date: 2022/10/14
Engineer: Vic

Test Criterion

Total Force of CPU Cooler		
Typical	Maximum	Minimum
28.68 lbf	31.55 lbf	25.81 lbf

Test Condition

PCB Thickness	CPU Height (about PCB)
1.6mm	1.8mm

Test Data

Sample	Compression Force
1	28.63 lbf
2	28.43 lbf
3	28.13 lbf
AVG	28.4 lbf

Test Result

Pass	Compression Force of CPU Cooler = 28.4 lbf
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Part Number:

RG3129M-25-002

Description:

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Compression Force Test Report



- The universal clip force measuring device is a tool for measuring the clip holding force for the clip on the CPU Cooler.
- Measuring pressure range 0~220lbf,: accuracy 0.1%FS