

# Thermal Resistance Test Report

Date: 2021/11/10

Engineer: Ken



Part Number:

**RGD3226VCHP-002**

Description:

**2U CPU COOLER FOR INTEL**

**SOCKET LGA1700**

**PROCESSORS**

## Test Condition

Heat Flux	Pressure	Test Duration	Ambient Temp	Convection
125 Watts	28lbf /12.7 kgf	15 minutes	45°C	Natural Convection

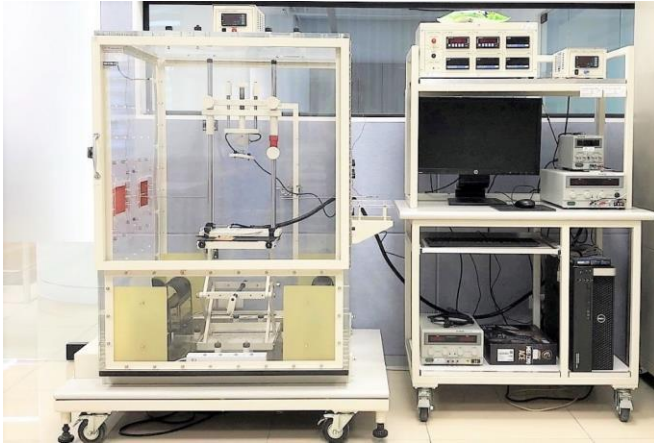
## Test Data

Sample	Tc (°C)	Ta(°C)	Fan Speed (RPM)	F (kgf)	Q (W)	R (°CW)
1	62.3	46.2	9926	13.35	125	0.129

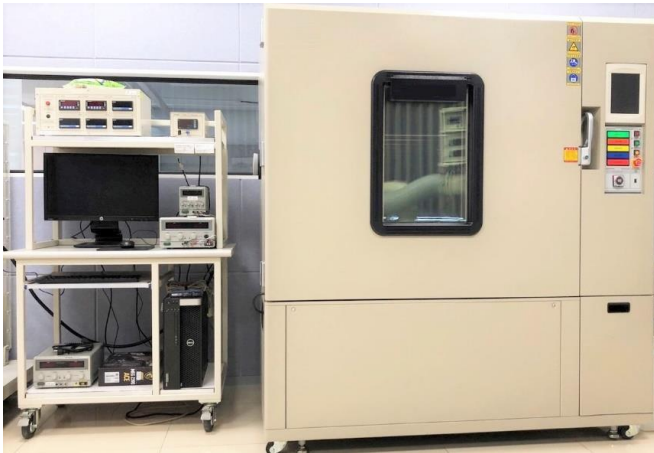
## Test Result

Tc(°C)	R (°CW)
62.3	0.129

# Thermal Resistance Test Report



**NATURAL CONVECTION**



**CIRCULATING 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
- 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: 2022/10/11

Engineer: Vic



## Test Criterion

Total Force of CPU Cooler		
Typical	Maximum	Minimum
29.16 lbf	32.08 lbf	26.25 lbf

## Test Condition

PCB Thickness	CPU Height (about PCB)
1.6mm	7.05mm

## Test Data

Sample	Compression Force
1	28.9 lbf
2	29.1 lbf
3	28.6 lbf
AVG	28.87 lbf

Part Number:

**RGD3226VCHP-002**

Description:

**2U CPU COOLER FOR INTEL SOCKET**

**LGA1700 PROCESSORS**

## Test Result

Pass	Compression Force of CPU Cooler = 28.87 lbf
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# Compression Force Test Report

## CPU Cooler Press Load Apparatus



- 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