

# Thermal Resistance Test Report

Date: 2021/12/20

Engineer: Ken



Part Number:

**RGD3224VC-EF48-002**

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	63.8	45.1	4891	12.84	125	0.150

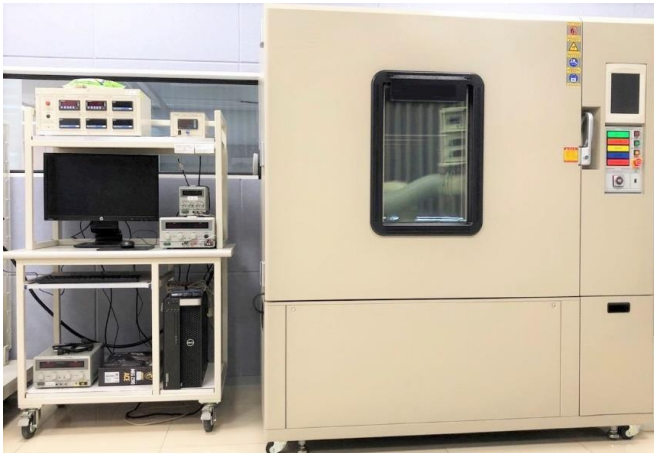
## Test Result

Tc(°C)	R (°CW)
63.8	0.150

# 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



Part Number:

**RGD3224VC-EF48-002**

Description:

**2U CPU COOLER FOR INTEL SOCKET**

**LGA1700 PROCESSORS**

## Test Criterion

Total Force of CPU Cooler		
Typical	Maximum	Minimum
38.33 lbf	42.18 lbf	34.48 lbf

## Test Condition

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

## Test Data

Sample	Compression Force
1	37.95 lbf
2	37.55 lbf
3	38.45 lbf
AVG	37.99 lbf

## Test Result

Pass	Compression Force of CPU Cooler = 37.99 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