

# Thermal Resistance Test Report

Date:2017/04/18

Engineer: Vic

## Test Condition

Heat Flux	Pressure	Test Duration	Ambient Temp	Convection
65 Watts	28lbf /12.7 kgf	90 minutes	45°C	Natural Convection

## Test Data

Sample	Tc (°C)	Ta(°C)	Fan Speed (RPM)	F (kgf)	Q (W)	R (°CW)
1	74.00	45.10	4571	13.12	65.30	0.44

## Test Result

Tc(°C)	R (°CW)
74.00	0.44



Part Number:

**RG3114**

Description:

**1U CPU COOLER FOR INTEL**

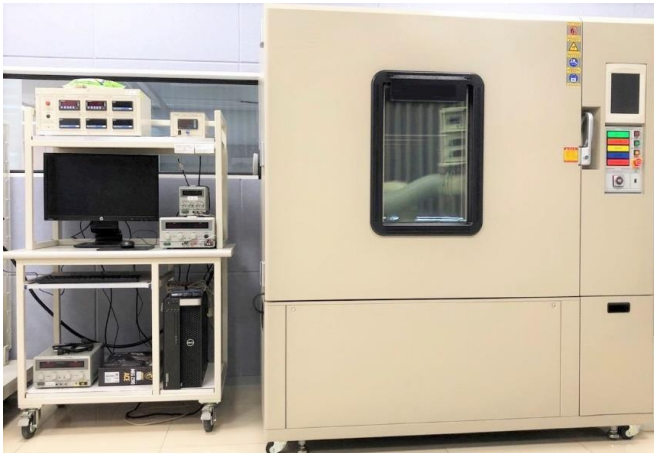
**SOCKET LGA115X 1200**

**PROCESSORS**

# 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:2022/11/07

Engineer: Vic



Part Number:

**RG3114**

Description:

**1U CPU COOLER FOR INTEL SOCKET**

**LGA115X 1200 PROCESSORS**

### Test Criterion

Total Force of CPU Cooler		
Typical	Maximum	Minimum
24.09 lbf	26.5 lbf	21.68 lbf

### Test Condition

PCB Thickness	CPU Height (about PCB)
1.6mm	7.71mm

### Test Data

Sample	Compression Force
1	23.6 lbf
2	23.4 lbf
3	23.9 lbf
AVG	23.63 lbf

### Test Result

Pass	Compression Force of CPU Cooler = 23.63 lbf
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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