

# Thermal Resistance Test Report

Date:2019/06/25

Engineer: Ken

## Test Condition

Heat Flux	Pressure	Test Duration	Ambient Temp	Convection
65 Watts	28lbf /12.7 kgf	120 minutes	45°C	Natural Convection

## Test Data

Sample	Tc (°C)	Ta(°C)	Fan Speed (RPM)	F (kgf)	Q (W)	R (°CW)
1	61.79	45.70	5134	13.47	65.04	0.25

## Test Result

Tc(°C)	R (°CW)
61.79	0.25



Part Number:

**RG3219-45**

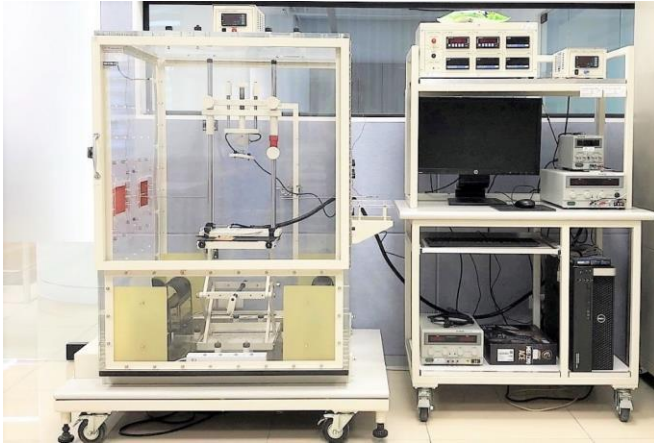
Description:

**2U CPU COOLER FOR INTEL**

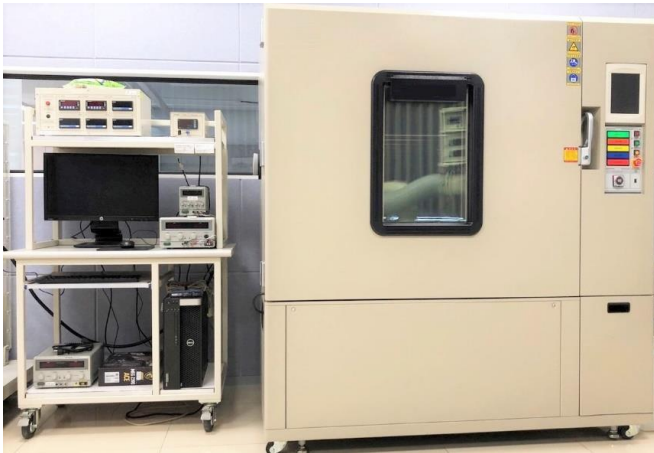
**SOCKET LGA115X 1200**

**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

### Test Criterion

Total Force of CPU Cooler		
Typical	Maximum	Minimum
42.57 lbf	46.86 lbf	38.28 lbf

### Test Condition

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

### Test Data

Sample	Compression Force
1	40.95 lbf
2	42.15 lbf
3	43.35 lbf
AVG	42.15 lbf

### Test Result

Pass	Compression Force of CPU Cooler = 42.15 lbf
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Part Number:

**RG3219-45-002**

Description:

**2U CPU COOLER FOR INTEL SOCKET**

**LGA115X 1200 PROCESSORS**

# 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