

# Thermal Resistance Test Report

Date:2019/07/09

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	68.41	45.70	2104	13.46	64.98	0.35

## Test Result

Tc(°C)	R (°CW)
68.41	0.35



Part Number:

**RG3219-50R-LN**

Description:

**2U CPU COOLER FOR INTEL**

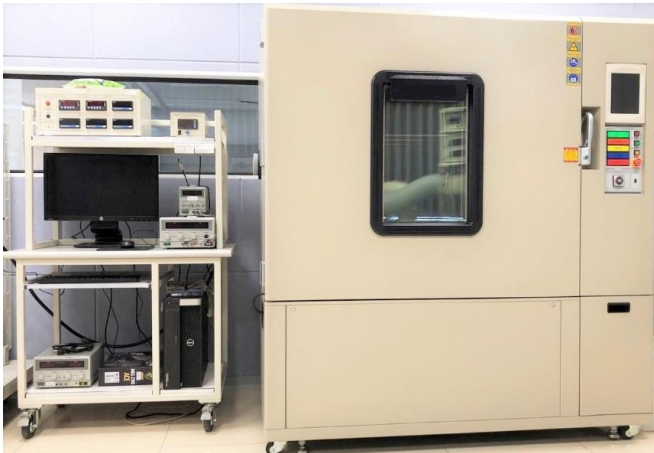
**SOCKET LGA115X 1200**

**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
28.79 lbf	31.67 lbf	25.91 lbf

### Test Condition

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

Part Number:

**RG3219-50R-LN**

Description:

**2U CPU COOLER FOR INTEL SOCKET**

**LGA115X 1200 PROCESSORS**

### Test Data

Sample	Compression Force
1	28.3 lbf
2	28.5 lbf
3	28.7 lbf
AVG	28.5 lbf

### Test Result

Pass	Compression Force of CPU Cooler = 28.5 lbf
------	--------------------------------------------

# 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