

Thermal Resistance Test Report



Date: 2021/10/07

Engineer: Ken

Test Condition

| Heat Flux | Pressure | Test Duration | Ambient Temp | Convection |
|---------------------|-----------------|---------------|--------------|--------------------|
| 125 /188 /238 Watts | 28lbf /12.7 kgf | 60 minutes | 45°C | Natural Convection |

Test Data

| Sample | T _c (°C) | T _a (°C) | Fan Speed (RPM) | F (kgf) | Q (W) | R (°CW) |
|--------|---------------------|---------------------|-----------------|---------|-------|---------|
| 1 | 59.6 | 46.4 | 4167 | 11.28 | 125 | 0.106 |
| 2 | 66.1 | 46.3 | 4165 | 11.31 | 188 | 0.105 |
| 3 | 71.3 | 46.0 | 4137 | 11.49 | 238 | 0.106 |

Part Number:

RGD3328-002

Description:

3U CPU COOLER FOR INTEL

SOCKET LGA1700

PROCESSORS

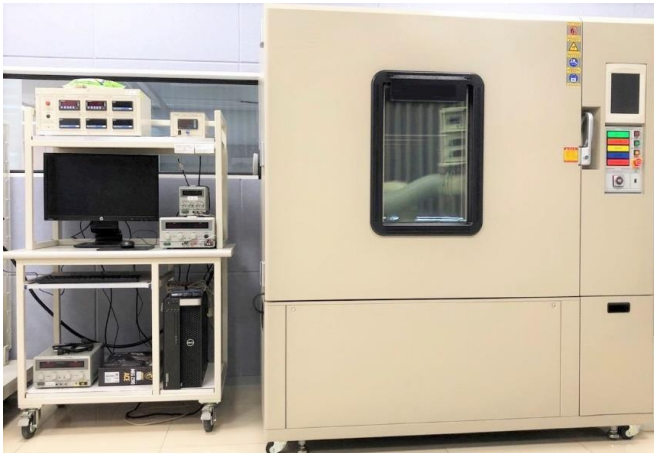
Test Result

| Q (W) | T _c (°C) | R (°CW) |
|-------|---------------------|---------|
| 125 | 59.6 | 0.106 |
| 188 | 66.1 | 0.105 |
| 238 | 71.3 | 0.106 |

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



Part Number:

RGD3328-002

Description:

3U CPU COOLER FOR INTEL SOCKET

LGA1700 PROCESSORS

Date: 2022/10/11

Engineer: Vic

Test Criterion

| Total Force of CPU Cooler | | |
|---------------------------|-----------|-----------|
| Typical | Maximum | Minimum |
| 39.51 lbf | 43.46 lbf | 35.56 lbf |

Test Condition

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

Test Data

| Sample | Compression Force |
|--------|-------------------|
| 1 | 38.7 lbf |
| 2 | 39.0 lbf |
| 3 | 38.5 lbf |
| AVG | 38.73 lbf |

Test Result

| | |
|------|---|
| Pass | Compression Force of CPU Cooler = 38.73 lbf |
|------|---|

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