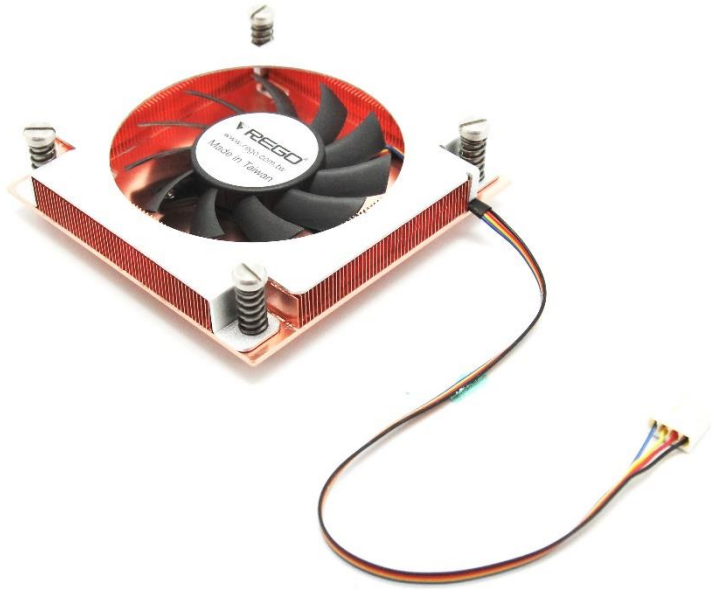


Thermal Resistance Test Report

Date: 2021/11/22

Engineer: Ken



Test Condition

| Heat Flux | Pressure | Test Duration | Ambient Temp | Convection |
|--------------------------|------------------|---------------|--------------|--------------------|
| 35 / 65 / 80 / 125 Watts | 28lbf / 12.7 kgf | 60 minutes | 45°C | Natural Convection |

Test Data

| Sample | Tc (°C) | Ta (°C) | Fan Speed (RPM) | F (kgf) | Q (W) | R (°CW) |
|--------|---------|---------|-----------------|---------|-------|---------|
| 1 | 59.1 | 44.8 | 4389 | 13.06 | 35 | 0.409 |
| 2 | 72.6 | 45.4 | 4354 | 13.12 | 65 | 0.418 |
| 3 | 79.3 | 45.8 | 4341 | 13.25 | 80 | 0.419 |
| 4 | 98.9 | 46.5 | 4311 | 13.13 | 125 | 0.419 |

Part Number:

RGD3118-004

Description:

1U CPU COOLER FOR INTEL

SOCKET LGA1700

PROCESSORS

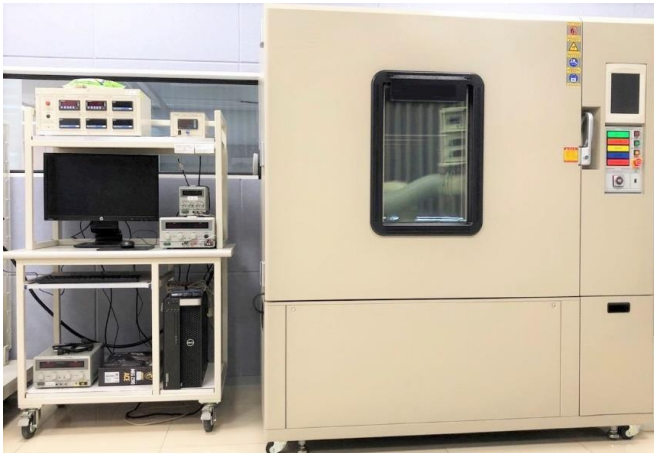
Test Result

| Q (W) | Tc (°C) | R (°CW) |
|-------|---------|---------|
| 35 | 59.1 | 0.409 |
| 65 | 72.6 | 0.418 |
| 80 | 79.3 | 0.419 |
| 125 | 98.9 | 0.419 |

Thermal Resistance Test Report



NATURAL CONVECTION



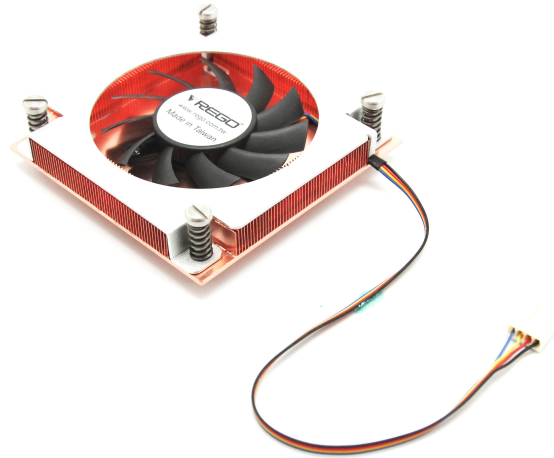
CIRCULATING CONVECTION

- 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:

RGD3118-004

Description:

1U CPU COOLER FOR INTEL SOCKET

LGA1700 PROCESSORS

Test Criterion

| Total Force of CPU Cooler | | |
|---------------------------|-----------|-----------|
| Typical | Maximum | Minimum |
| 24.92 lbf | 27.41 lbf | 22.43 lbf |

Test Condition

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

Test Data

| Sample | Compression Force |
|--------|-------------------|
| 1 | 24.5 lbf |
| 2 | 24.8 lbf |
| 3 | 24.7 lbf |
| AVG | 24.67 lbf |

Test Result

| | |
|------|---|
| Pass | Compression Force of CPU Cooler = 24.67 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