

Thermal Resistance Test Report

Date: 2021/12/14

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	60.6	45.4	4698	12.74	35	0.434
2	76.0	45.9	4684	12.72	65	0.463
3	83.7	45.9	4707	12.70	80	0.473
4	104.7	44.2	4667	12.93	125	0.484

Test Result

Q (W)	Tc(°C)	R (°CW)
35	60.6	0.434
65	76.0	0.463
80	83.7	0.473
125	104.7	0.484



Part Number:

RGD3114(Z)-002

Description:

1U CPU COOLER FOR INTEL

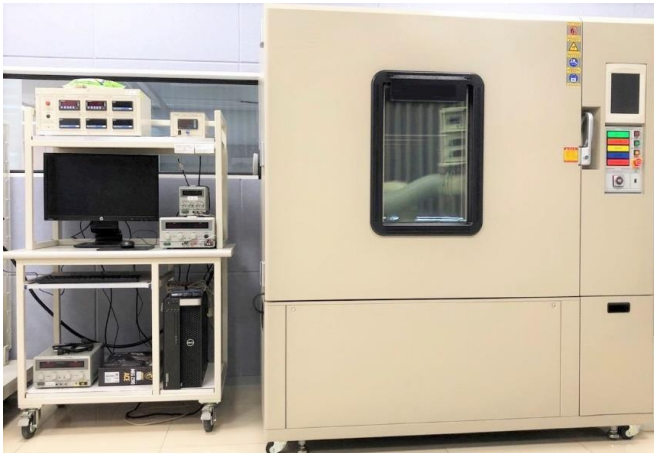
SOCKET LGA1700

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:2022/10/11

Engineer: Vic

Test Criterion

Total Force of CPU Cooler		
Typical	Maximum	Minimum
25.19 lbf	27.71 lbf	22.67 lbf

Test Condition

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

Test Data

Sample	Compression Force
1	25.2 lbf
2	24.7 lbf
3	24.9 lbf
AVG	24.94 lbf

Test Result

Pass	Compression Force of CPU Cooler = 24.94 lbf
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Part Number:

RGD3114(Z)-002

Description:

1U CPU COOLER FOR INTEL SOCKET

LGA1700 PROCESSORS

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