

Thermal Resistance Test Report

Date: 2017/04/14
Engineer: Johnson



Part Number:

RG321B

Description:

2U CPU COOLER FOR INTEL

SOCKET LGA115X 1200

PROCESSORS

Test Condition

Heat Flux	Pressure	Test Duration	Ambient Temp	Convection
95 Watts	28lbf /12.72kgf	90 minutes	45°C	Natural Convection

Test Data

Sample	Tc (°C)	Ta(°C)	Fan Speed (RPM)	F (kgf)	Q (W)	R (°C/W)
1	72.78	45.40	4654	13.45	95.16	0.29

Test Result

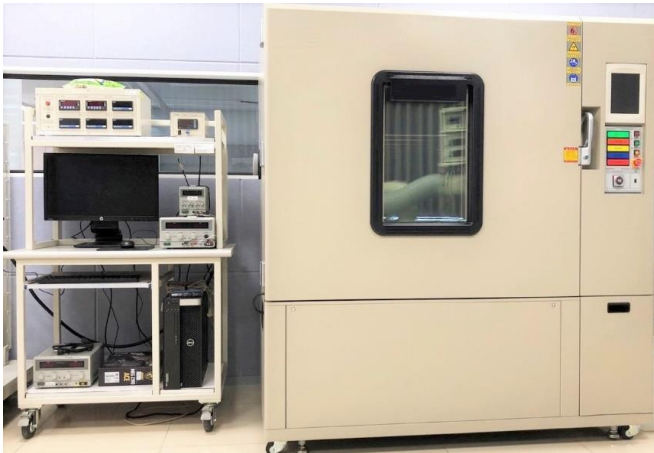
Tc(°C)	R (°C/W)
72.78	0.29

Thermal Resistance Test Report



NATURAL 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



CIRCULATING CONVECTION

- 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



Part Number:

RG321B

Description:

2U CPU COOLER FOR INTEL SOCKET

LGA115X 1200 PROCESSORS

Test Criterion

Total Force of CPU Cooler		
Typical	Maximum	Minimum
24.89 lbf	27.37 lbf	22.41 lbf

Test Condition

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

Test Data

Sample	Compression Force
1	24.4 lbf
2	24.7 lbf
3	24.8 lbf
AVG	24.64 lbf

Test Result

Pass	Compression Force of CPU Cooler = 24.64 lbf
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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