

Thermal Resistance Test Report

Date:2019/08/01

Engineer: Ken



Part Number:

RG3129-35B

Description:

**1.5U CPU COOLER FOR INTEL
SOCKET LGA115X 1200
PROCESSORS**

Test Condition

Heat Flux	Pressure	Test Duration	Ambient Temp	Convection
65 Watts	28lbf /12.7 kgf	240 minutes	45、60°C	Natural Convection

Test Data

Sample	Tc (°C)	Ta(°C)	Fan Speed (RPM)	F (kgf)	Q (W)	R (°CW)
1	66.84	46.00	5623	13.30	64.98	0.32
2	82.78	60.60	5556	13.40	64.98	0.34

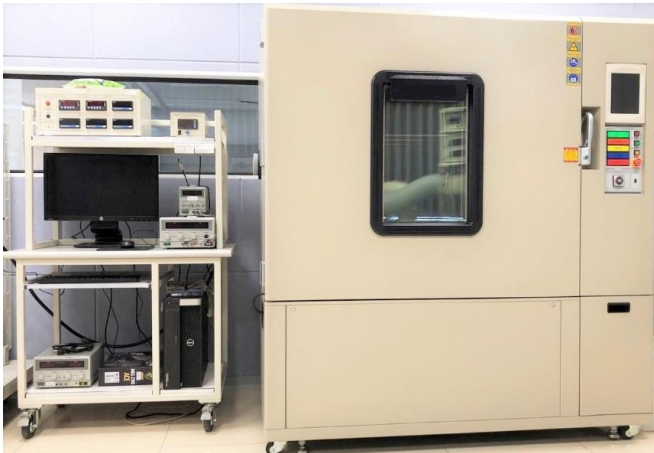
Test Result

Ta(°C)	Tc(°C)	R (°CW)
46.00	66.84	0.32
60.60	82.78	0.34

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
41.76 lbf	45.94 lbf	37.59 lbf

Test Condition

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

Part Number:

RG3129-35B-002

Description:

**1.5U CPU COOLER FOR INTEL SOCKET
LGA115X 1200 PROCESSORS**

Test Data

Sample	Compression Force
1	42.2 lbf
2	41.8 lbf
3	40.9 lbf
AVG	41.64 lbf

Test Result

Pass	Compression Force of CPU Cooler = 41.64 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