

Thermal Resistance Test Report

Date:2019/07/10

Engineer: Ken

Test Condition

Heat Flux	Pressure	Test Duration	Ambient Temp	Convection
65 Watts	28lbf /12.7 kgf	120 minutes	45°C	Natural Convection

Test Data

Sample	Tc (°C)	Ta(°C)	Fan Speed (RPM)	F (kgf)	Q (W)	R (°CW)
1	68.87	47.30	4074	13.06	68.95	0.31

Test Result

Tc(°C)	R (°CW)
68.87	0.31



Part Number:

RG3119-25

Description:

1U CPU COOLER FOR INTEL

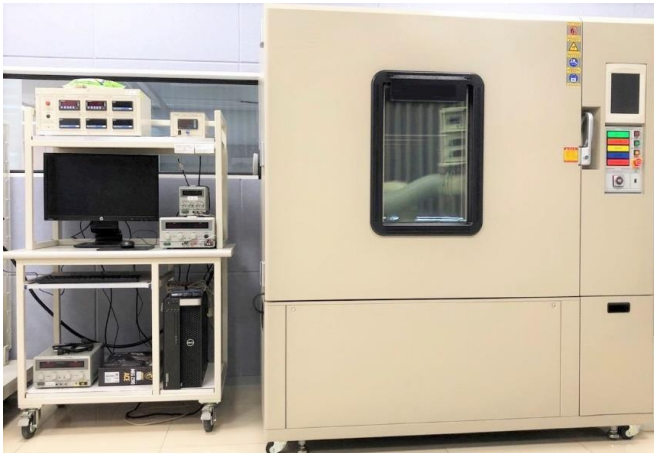
SOCKET LGA115X 1200

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: 2022/11/07

Engineer: Vic



Test Criterion

Total Force of CPU Cooler		
Typical	Maximum	Minimum
41.51 lbf	45.69 lbf	37.34 lbf

Test Condition

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

Part Number:

RG3119-25-002

Description:

1U CPU COOLER FOR INTEL SOCKET

LGA115X 1200 PROCESSORS

Test Data

Sample	Compression Force
1	41.95 lbf
2	41.55 lbf
3	40.65 lbf
AVG	41.39 lbf

Test Result

Pass	Compression Force of CPU Cooler = 41.39 lbf
------	---

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