

Thermal Resistance Test Report



Product Information

Part number : RG1100B-EAL-EF5173 - 26.5

Description : Φ 26.5mm Sunflower Aluminum Cooler

Fan : Everflow 50mmx50mmx10mm 7500 rpm

CPU : Haswell Mobile Platform 2013

Test Condition

Heat Flux : 47 watts

Pressure : 12 lbs / 5.5 kgs

Test Duration : 60 minutes

Ta (Ambient Temperature) : 60 °C

Convection : natural convection

Test Criterion

Tc (CPU Operating Case Temperature): below 100°C

Test Result

1st Test Result : Pass (Tc = 94.93 °C)

2nd Test Result : Pass (Tc = 93.78 °C)

Test Data

1st Test:

Sample	Tc	Ta	Fan Speed	F	Q	R
1	° C	° C	RPM	kgf	W	° C/W
	94.93	58.6	7859	3.73	47.06	0.77

2nd Test:

Sample	Tc	Ta	Fan Speed	F	Q	R
2	° C	° C	RPM	kgf	W	° C/W
	93.78	58.7	7838	3.85	47.07	0.75

Date: 2014/06/16

Operator: Denny Lin

CPU Cooler Thermal Resistance Measurement Apparatus

with 4 sets of 650 watts Infrared Radiation Heaters

Operating Temperature : Room Temperature ~ 70°C.

