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P5 sample

Test Report

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Date : Feb./18/2004



➤ **From :** Person : Kyle Pan

Place : Thermal Department, Taipei

➤ **Customer :** Thermal Transtech International Corporation

➤ **Objective :** Compare the effect with E95

➤ **Achievement :** P5 sample + AD0712UB-D93 Ψ_{ca} (average) = **0.217** (117W)

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► Experimental Setup :

1. Test System Combination :

CPU : P5 Dummy Heater

2. Test Measuring Instrument :

1. HP506 Data Acquisition
2. OMEGA T-Type Thermal Couple

3. Test Fan :

1. AD0712UB-D93 (12V, RPM : 5400, CFM : 41.9, Ps : 7.6)

4. Test Condition :

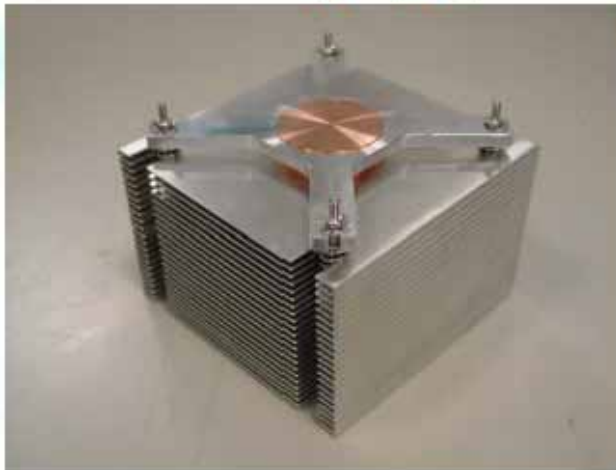
Open Air



5. Cooler Picture :



P5 sample (top)

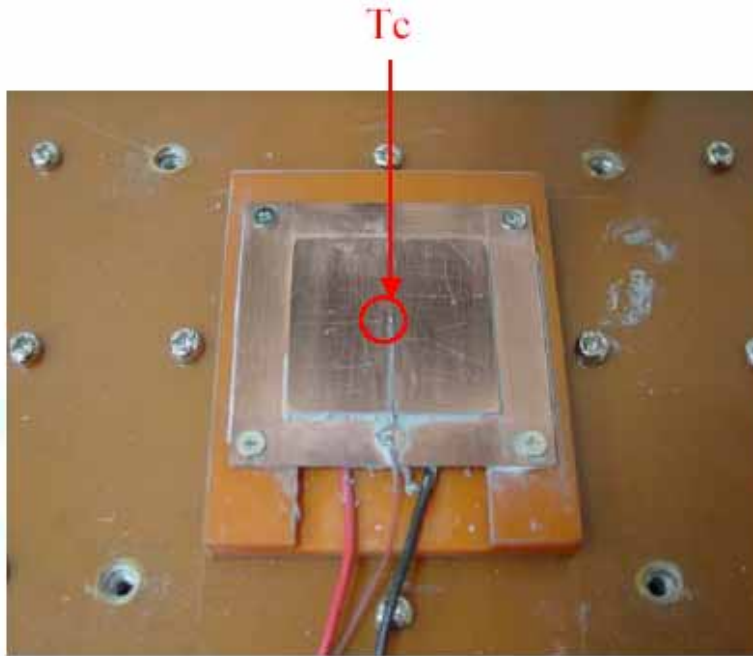


P5 sample (bottom)

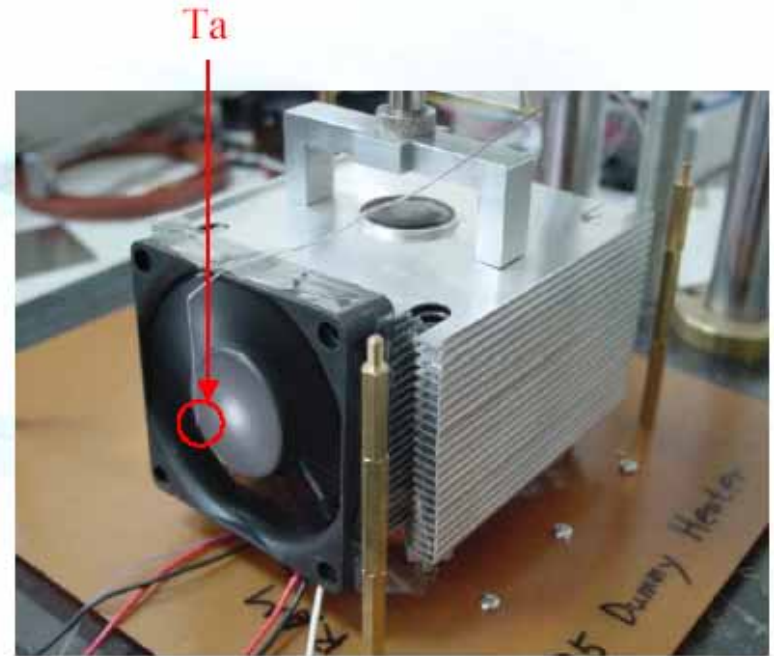
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6. Test Picture :



P5 Dummy Heater



Test Picture



7. Test Result :

H/S+G751		Fan	Rpm	W	Ψ_{ca}	Tc	Ta	T ambient
P5 sample	the best	AD0712UB-D93	5440	117	0.213	47.81	22.91	22.84
	the bad	AD0712UB-D93	5440	117	0.220	48.44	22.75	22.55
	average	AD0712UB-D93	5440	117	0.217	48.12	22.83	22.67

- Note :
1. Pressure gauge stress is 15kgf
 2. P5 sample dimension : 95x95x70 mm
 3. P5 sample weight : 562.8 g

