



## R-Tools Simulation - Design Output Summary

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Project: Aelph  
Simulation Date: 2009-03-18 10:47:34

### Thermal Design Details

Heatsink type: Extrusion  
Part number: Extrusion: 9013  
Weight: 1.79034 kg  
Heatsink dimensions: 176.53 mm wide x 127.0 mm long x 66.39 mm high  
Material: Aluminum  
Finish: undefined

### Environment

Ambient Temperature: 72.0 F  
Altitude: 300.0 ft

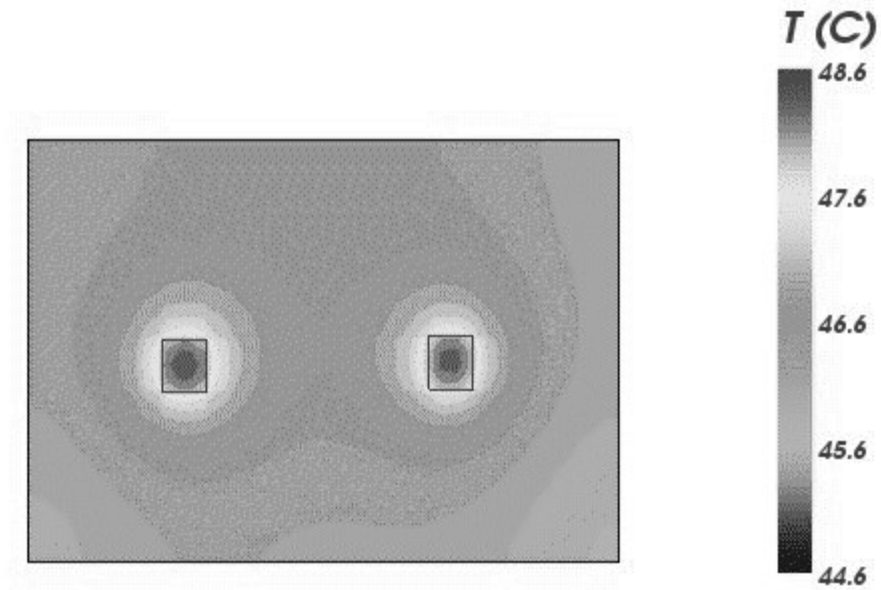
### Thermal Design Details

Source Names	%sc	Power	Tsink-avg	Temperature		
				Tsink-max	Tcase	Tjunction
			C	C	C	C
source2	0.9%	15.0 W	48.2	48.6	48.6	83.7
source3	0.9%	15.0 W	48.2	48.6	48.6	83.7

### Hydraulic Design Details

Type of Flow: Natural convection  
Fluid: Air  
Total Pressure Drop: 2.946 Pa  
Exit Temperature: 45.0 C

### Baseplate Temperature Profile



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