

# Celsia Company Overview

## Experienced & Dependable

Celsia's client roster includes Fortune 500 and mid-market companies. In recent years, it has shipped over 2 million solutions to a global customer base and has been granted over 70 patents.

## Fast Turnaround Times

Two to four week fulfillment times for design modeling, prototypes and production orders. Existing designs are quoted within days.

## Quality First

Take the guess work out of sourcing from Asia. Celsia's wholly owned Taiwan operation is ISO 9001 certified with QC procedures that are among the tightest anywhere.

## Solving Difficult Thermal Challenges

Our design engineering, manufacturing, and worldwide distribution teams are experienced at delivering thermal solutions for the most demanding environments.

## Liquid Two-Phase Heat Sink Experts

Through its US headquarters and Taiwan design & production facility, **Celsia specializes in custom heat sinks** using liquid two-phase devices. Application areas include:



High Heat Flux



Harsh Environment



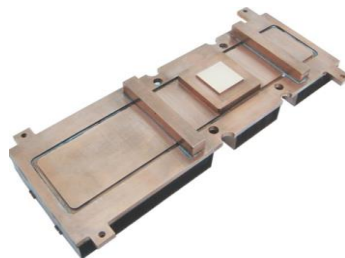
Space Constrained

## Constantly Innovating



### One Piece Vapor Chambers

Affordable, thin and bendable two-phase heat spreaders designed to provide a cost comparable yet thermally superior alternative to heat pipes. As thin as 1mm with length and width dimensions as large as of 300 x 100mm.



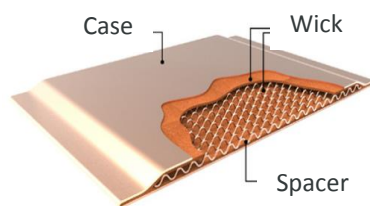
### Two Piece Vapor Chambers

Limitless design options and impressive heat spreading capability make these devices ideal for one or more heat sources up to 500 W/cm<sup>2</sup> and those applications where the heat sink must effectively work against gravity.



### Purpose Build Heat Pipes

Design flexibility, unmatched power handling, and the ease with which they can be integrated into hybrid designs make Celsia heat pipes the most versatile two-phase device on the market.



### Solutions as Unique as our Customers

We tune product shape, wick characteristics, wall thickness, working fluid, case metal, and fin structure for each application in order to meet tough thermal performance and packaging requirements.

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**celsia**<sup>o</sup>  
Making Hot Technology Cooler