eGRAF®

SPREADERSHIELD™

THERMAL SOLUTIONS FOR
STAND-ALONE AND EMBEDDED **PICO PROJECTORS**

PICO PROJECTOR DESIGN WINS

1

2

3

Custom die-cut parts available in continuous rolls for high-volume

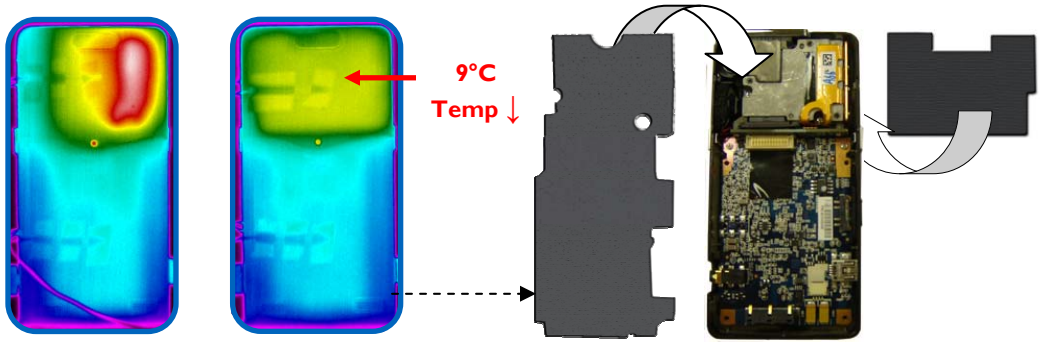
eGRAF® SPREADERSHIELD™ products provide ultra-thin, flexible thermal solutions for the pico projector market. With many of the pico projectors being less than an inch thick, SPREADERSHIELD thermal solutions are designed to challenge these constraints with copper-like thermal conductivity at a fraction of the size and weight of common aluminum and copper solutions.

SPREADERSHIELD™ products can be utilized in both stand-alone and embedded pico projectors allowing:

- **RGB LED Cooling**
  - Enables higher instantaneous brightness
  - Extends LED lifetime
- **Significant reductions in hot-spot case temperatures for improved user comfort**
- **Enhanced temperature uniformity**
- **Thermal shielding of other temperature-sensitive device components**

PROVEN RESULTS

Problem: The Optoma® Pico Projector encountered undesirable hot spots (generated by three RGB LEDs) on both sides of the device case



WITHOUT SPREADERSHIELD | **WITH SPREADERSHIELD**

eGRAF Solutions: (2) peel-and-stick SPREADERSHIELD 400 W/mK heat spreaders at 0.51mm thick were attached to both the front and back covers.

Email us at egraf@graftech.com to request a sample today!

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