

THERMAL SOLUTIONS FOR ULTRATHIN NOTEBOOKS, NETBOOKS, SMARTBOOKS, AND MIDs

NETBOOK DESIGN WINS



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

eGRAF SPREADERSHIELD products provide ultra-thin, flexible thermal solutions for portable internet devices. SPREADERSHIELD thermal solutions are designed to challenge design constraints with high thermal conductivity at a fraction of the size and weight of common aluminum and copper-like thermal solutions.

SPREADERSHIELD products provide the following benefits for portable computers:

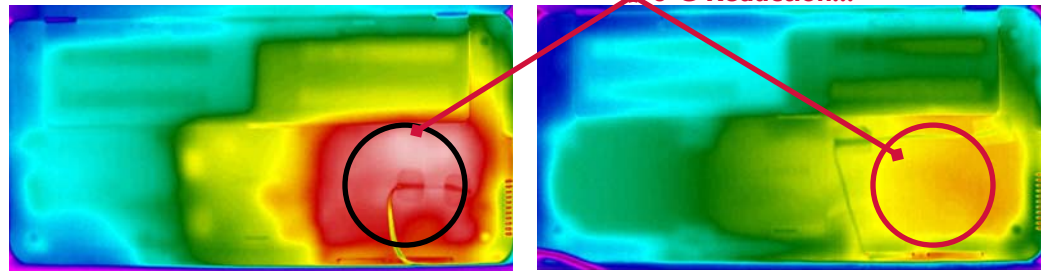
- Thin, lightweight form factor enabled by passive cooling of processors, memory modules, etc.
- Reduced fan energy requirements in systems requiring active cooling
- Reduction in hot-spot case temperatures = improved user comfort
- Improved battery temperature uniformity = Longer battery life
- Thermal shielding of temperature sensitive components (e.g. display, LED BLU), = improved reliability



SPREADERSHIELD Solution on inside back case

PROVEN RESULTS: SONY® VAIO® P LUXURY NETBOOK

Problem: The Sony Vaio P encountered an undesirable hot spot on the touch surface of the bottom case.



Bottom Case WITHOUT SPREADERSHIELD

Bottom Case WITH SPREADERSHIELD

eGRAF Solutions: (1) peel-and-stick SPREADERSHIELD 400 W/m-K heat spreader at 0.38 mm thick was attached to the inside back cover and decreased the temperature by **8°C!!**

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

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