

Flexible Graphite Thermal Solutions

Passive Thermal Management for OLED & LCD Displays

OLED Displays



Image Burn-In & Color Shift

Bright, static images result in pixels overheating. Extended heat exposure causes pixels to degrade resulting in ghosting and reduced brightness.



Power Thermal Management

Heat generated by power electronics and graphics processors can cause damage to the pixels.



High Definition LED-LCD Displays



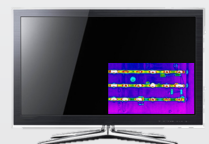
Poor Image Mura

Light jets emitting from the display corners are commonly found when light films misalign due to thermal expansion, especially in large displays.

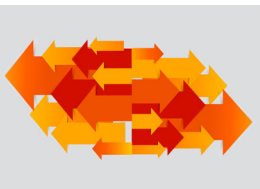


LED Thermal Management

Ultra high definition displays require exponentially brighter backlight systems. The brighter, more powerful LEDs require additional thermal management.

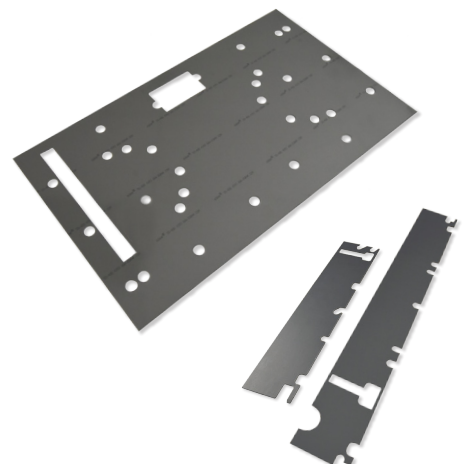


Improve Your Display



Heat Spreading

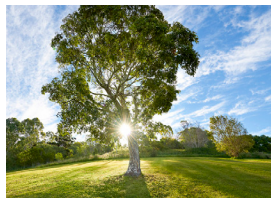
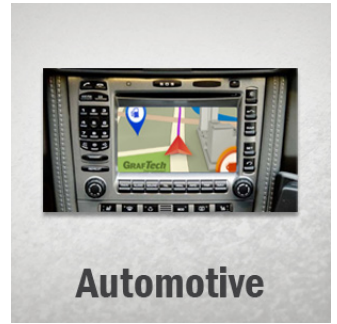
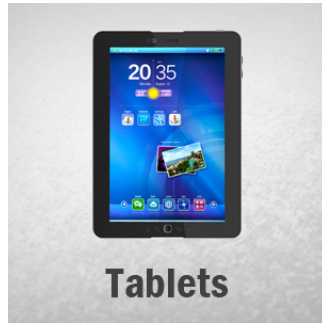
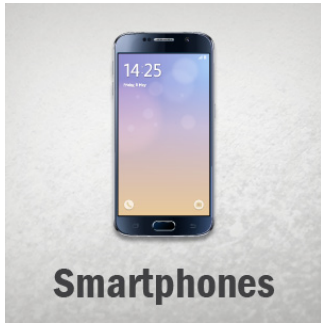
- In-plane conductivity 300-1500 W/mK
- Spreads heat up to 4x Copper and 7x Aluminum



Heat Shielding

- Eliminates hot spots and protects sensitive areas
- Enables the slimmest device designs

Applications



Environmentally Friendly

- RoHS, REACH compliant
 - Contains no hazardous materials
- UL94V-0 flammability rated
 - Non-flammable
- Chemically inert to almost any substance
- Easy disposal of waste
- Contains no hazardous materials



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