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**NEW!**

## EZ T-Foil 52°C



### Advantages:

- ?? Differential CTE coating
- ?? Easy removal of power device and heat sink by a “twist and pull” action
- ?? Thermal Impedance: 0.02 C/W/ in<sup>2</sup>
- ?? Closure Force: 25psi
- ?? Excellent heat spreading characteristics
- ?? “Manufacturing Friendly”
- ?? Thixotropic and won’t flow from interface area

### Description:

EZ T-Foil 52°C is a unique thermal heat spreader that uses a phase change material that allows for easy rework. Thermal impedance is only 0.02 C/W/in<sup>2</sup> at 25psi and only slightly higher at lower closure forces. The foil substrate is pre-coated with a differential CTE compound, which allows easy removal of the component from the heat sink at room temperature. Removal is achieved with a simple “twist and pull” movement without special tools, solvents, or heating.

Thermaphase on Aluminum Foil is a unique thermally conductive material that enters the liquid phase when the semiconductor heats up the first time. This changes the Thermaphase compound from a solid to a flowable form. The compounds wet the surfaces of the component and heat sink creating a low thermal impedance heat path.

### Thermaphase on EZ T-Foil 52°C Typical Characteristics:

Standard Substrate Thickness: 2 mil

Coating Thickness: 0.5mil

Phase Change Temperature: 52°C

Density: 2.1 g/cc

Thermal Resistance: 0.02 C/W/in<sup>2</sup> @ 25psi

0.05 C/W/in<sup>2</sup> @ 15psi

0.07 C/W/in<sup>2</sup> @ 5psi

Maximum Use Temperature: 200°C

Viscosity: >10,000 cps