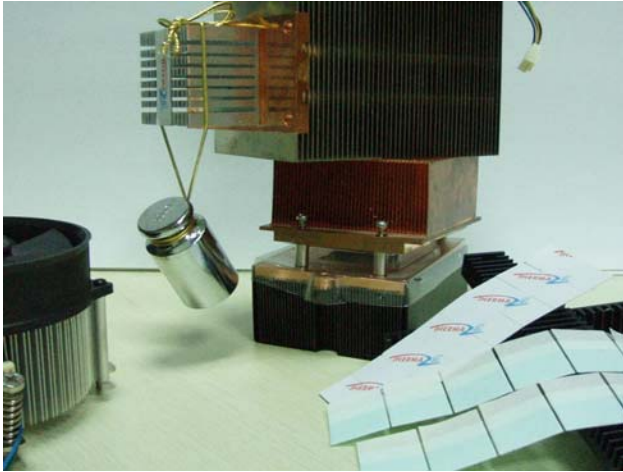


Thermally Conductive Pressure Sensitive Adhesive Tapes

The TIA™800FG Series products are mostly used for bonding heat dissipation fins, microprocessors and other power consumption semiconductors. This type of adhesive tape possesses ultimate bonding strength with low thermal impedance, with which in effect can be able to replace the method of lubricating grease and mechanical fixing.



TIA™800FG系列导热双面胶

TIA™800FG系列产品大量应用于粘接散热片到微处理器和其它的功率消耗半导体上，这些胶带具有极强的粘合强度，并且热阻抗小，可以有效的取代滑脂和机械固定。

Feature

- › Thermal Conductivity: **0.8W/mK.**
- › High bond strength to a variety of surfaces
Double sided pressure sensitive adhesive tape.
- › High performance, thermally conductive acrylic adhesive.

特性

- › 导热率: **0.8W/mK**
- › 高黏结各种表面感压双面胶带
- › 高性能热传导压克力胶

Application

- › Mount heat sink onto BGA graphic processor or drive processor.
- › Mount heat spreader onto power converter PCB or onto motor control PCB.
- › High performance, thermally conductive acrylic adhesive .
- › Can be used instead of heat cure adhesive, screw mounting or clip mounting.

应用

- › 使散热片固定于已封装之芯片上
- › 使散热器固定于电源供应器电路板或车用控制电路板上
- › 高效能热传导压克力胶
- › 可替代热熔胶、螺丝、扣具等固定方式

Gap Fillers | Phase Change Materials | Thermally Conductive Insulators | Thermally Conductive PCB Materials | Greases | Thermally Conductive Adhesive Tapes



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TIA™ 800FG Series

Thermally Conductive Pressure Sensitive Adhesive Tapes

| Typical Properties of TIA™800FG Series | | | | | | | |
|--|----------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|-------------|
| TIA™800FG系列特性表 | | | | | | | |
| Typical Properties | TIA™805F G | TIA™806F G | TIA™808F G | TIA™810F G | TIA™815F G | TIA™820F G | Test Method |
| Color(顏色) | White | | | | | | Visual |
| Adhesive Type(胶粘剂类型) | Acrylic Adhesive(压克力胶粘剂) | | | | | | ***** |
| Backing Type(基材类型) | Fiberglass(玻璃纖維) | | | | | | ***** |
| Thickness(厚度) | 0.005" 0.127mm | 0.006" 0.152mm | 0.020" 0.203mm | 0.010" 0.254mm | 0.015" 0.381mm | 0.020" 0.508mm | ASTM D374 |
| Thickness Tolerance (厚度公差) | ±0.001" ±0.025mm | ±0.001" ±0.025mm | ±0.0012" ±0.03mm | ±0.0012" ±0.03mm | ±0.0015" ±0.038" | ±0.002 ±0.05mm | ASTM D374 |
| Voltage Breakdown(擊穿電壓) | > 2000 Vac | > 2000 Vac | > 2300 Vac | > 3000 Vac | > 3500 Vac | > 3500 Vac | ASTM D149 |
| Peel Adhesion (剥离力) | 1200 g/inch ² | | | | | | JIS K02378 |
| Holding Power (耐熱保持力)25°C/Days | > 120 kg/inch ² | | | | | | JIS K023711 |
| Holding Power (耐熱保持力) 120°C/Hours | > 10 kg/inch ² | | | | | | JIS K023711 |
| Recommend Using Pressure (建議使用壓力) | 10 psi | | | | | | ***** |
| Thermal Conductivity (導熱率) | 0.8 W/mK | | | | | | ***** |
| Thermal Impedance(熱阻抗) @50psi | 0.52°C-in ² /W | 0.59°C-in ² /W | 0.83°C-in ² /W | 0.91°C-in ² /W | 1.15°C-in ² /W | 1.43°C-in ² /W | ASTM D5470 |

Standard Thicknesses(標準厚度):

0.005"(0.127mm) 0.006"(0.152mm) 0.008"(0.203mm) 0.010"(0.254mm) 0.015"(0.381mm)
0.020"(0.508mm)

Consult the factory alternate thickness.(如需不同厚度請與本公司聯繫。)

Standard Sizes(標準尺寸):

16" x 100'(406mm x 30.48M)

Individual die cut shapes can be supplied.(TIA™800FG系列可模切成不同形狀提供。)

Reinforcement(補強材料):

TIA™800FG series rolls type can add with fiberglass reinforced.(TIA™800FG系列捲材可帶玻璃纖維為補強。)

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