



**TIA™600 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.

## Feature

- » Thermal Conductivity **0.9W/mK**
- » High performance, thermally conductive acrylic adhesive.
- » High bond strength to a variety of surfaces Double sided pressure sensitive adhesive tape.

## Application

- » Mount heat sink onto BGA graphic processor or drive processor.
- » Mount heat spreader onto power converter PCB or onto motor control.
- » Can be used instead of heat cure adhesive, screwmounting or clip mounting.



## Typical Properties of TIA™600 series

Typical Properties	TIA605	TIA606	TIA608	TIA610	TIA612	TIA615	TIA620	Test Method
Color	White							Visual
Adhesive Type	Acrylic Adhesive							*****
Backing Type	N/A							*****
Continuous Use Temp	-45 °C to 120 °C							*****
Thickness	0.005" 0.127mm	0.006" 0.152mm	0.008" 0.203mm	0.010" 0.254mm	0.012" 0.304mm	0.015" 0.381mm	0.020" 0.508mm	ASTM D374
Voltage Breakdown	> 600 Vac	> 1200 Vac	> 1800 Vac	> 2500 Vac	> 2700 Vac	> 3000 Vac	> 4000 Vac	ASTM D149
Thermal Conductivity	0.9 W/mK							ASTM D5470
180° Peel Adhesion	> 1200 g/inch (Steel, Immediate)							PSTC-1
180° Peel Adhesion	> 1400 g/inch (Steel after 24 hrs)							PSTC-1
Holding Power (25 °C/Hours)	> 48 Hours							PSTC-7
Fire rating	equates 94 V0							*****

### Standard Thicknesses:

0.005"(0.127mm)    0.006"(0.152mm)    0.008"(0.203mm)    0.010"(0.254mm)

0.012"(0.304mm)    0.015"(0.381mm)    0.020"(0.508mm)

Consult the factory alternate thickness.

### Standard Sizes:

16" x 100'(406mm x 30.48M) Individual die cut shapes can be supplied.

### Reinforcement:

TIA™600 series rolls type can add with fiberglass reinforced.



Gap Fillers | Pouring sealant | Silicon tape | Thermally Conductive paste | Flake graphite | Thermally Conductive Insulators | Ceramic heat sinks  
Thermally Conductive plastic | Thermally Conductive Adhesive Tapes

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