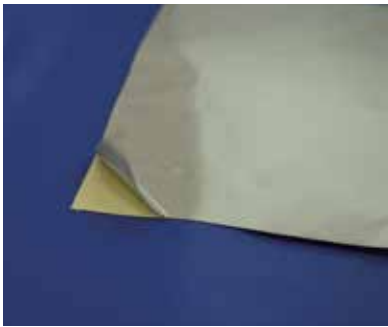


**NEW!**

# Heat Spreader – HSD Series



Prior to using KGS parts, please read our "Product Important Notice" at <http://kgs-ind.com/products/product-important-notice/>



Thin and flexible heat spreading sheet for superior thermal management

- Aluminum heat spreader material with excellent thermal conductivity (221 W/m·K)
- Spreads heat away from hot spots to cooler areas to prevent components from overheating
- Optional electrically insulating mylar (PET) layer can be applied upon request
- Ideal thermal solution for hot spots on space conscious applications such as mobile devices, tablets, routers, video streaming devices, etc.

## Specification

### HSD-0.15/0.25

- Aluminum foil (100μm/ 200μm)
- Thermally conductive adhesive layer (50μm)
- Release liner

### HSD-0.07

- Aluminum foil (50μm)
- Thermally conductive adhesive layer (20μm)
- Release liner

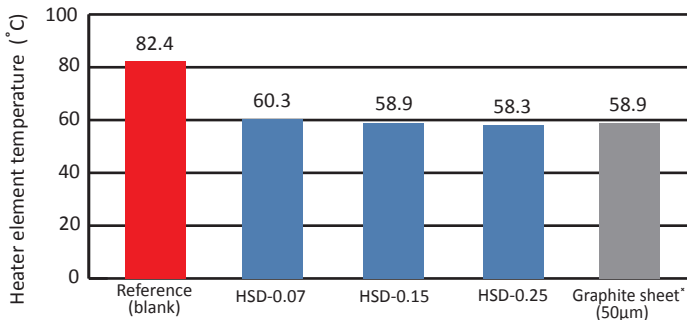
Part Number	HSD-0.07	HSD-0.15 / HSD-0.25
Total Thickness ( mm )	0.07	0.15 / 0.25
Standard Sheet Size (mm)	210 x 300	210 x 500
Surface Thermal Conductivity (W/m·K)	221 (Aluminum)	
Peel Strength (N/25mm)	>6	
Flame Resistance	UL510 Equivalent	UL94 VTM-0 Equivalent
Operating Temperature (°C)	-20~100	

## Heat dissipation effect ( heat distribution )

Reference (blank)	HSD-0.07	HSD-0.15	HSD-0.25	Graphite sheet*
Test Sample	① PET film (30μm)	① PET film (30μm)	① PET film (30μm)	① PET film (30μm)
②	② Aluminum foil (50μm)	② Aluminum foil (100μm)	② Aluminum foil (200μm)	② Graphite (50μm)
③	③ Thermally conductive adhesive layer (20μm)	③ Thermally conductive adhesive layer (50μm)	③ Thermally conductive adhesive layer (50μm)	③ Double-sided adhesive tape (20μm)
④	④ Release liner	④ Release liner	④ Release liner	④ Release liner

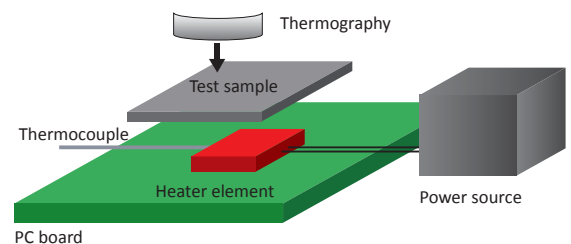
\*For comparison

HSD Series Heat Dissipation Effect



\*For comparison

## Testing method



Please request for detailed product specification data prior to purchase



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Volume resistivity stated on our EMI absorber flyer is meant for noise control parameters, where the absorber is considered a conductor, but not for insulation performance. Care should be taken when using absorbers. KITAGAWA INDUSTRIES America, Inc. makes no guarantees as to electrical resistivity values and accepts no liability due to short circuits where EMI absorbers are used directly on a PC Board or areas near high voltage such as for power. The products are designed for EMI noise reduction for electronics. This is not recommended for applications involving human life or extremely high accuracy. Prior to using the products in production, please verify their performance or adhesive strength of PSA for long term use. Avoid applying any external stress such as bending or high amounts of tension. Note when the absorber products are cut, bent, or pulled, there may be a possibility of creating cracks. For storage, keep products in a cool, dry, well-ventilated area at room temperature and avoid high temperatures, humidity, and direct sunlight.

Please contact the sales department at KITAGAWA INDUSTRIES America, Inc. for the use of our products prior to selecting the parts for your application.