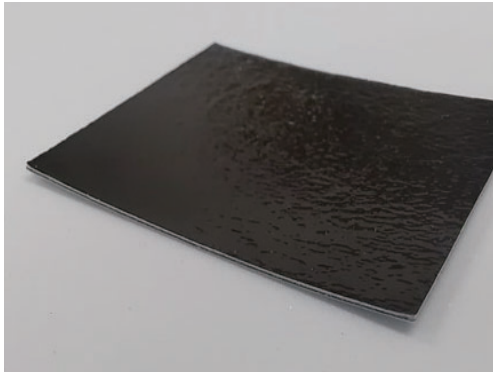




## GRAPHITE HYBRID SHEET / GHS-25



**Stacked layers work together to prevent hot spots and returned heat to the device.**

- Ideal for attaching to the inside of plastic case of electronic devices.
- Low thermal conductivity layer reduces speed of heat transfer to graphite layer, prevents hot spots from occurring, and impedes heat reflection back to the heat source.
- One side heat-resistant adhesive tape.
- Addition of low heat reflection layer helps to reduce the temperature of heat source.

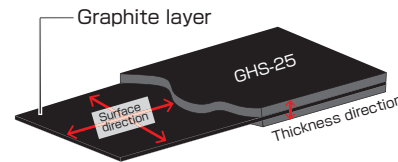
### Specifications

(The values below are not guaranteed.)

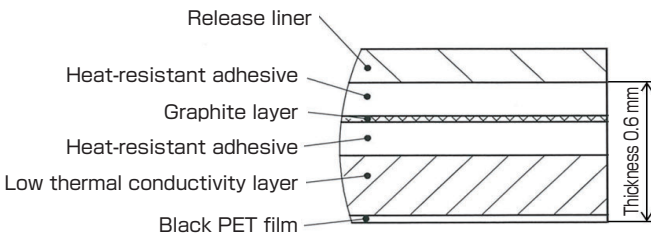
Property	Unit	Measurement method	GHS-25
Thickness	mm	—	0.6
Thermal Conductivity (Thickness direction*1 : whole product)	W/m·K	Hot wire method	3.0±1.0
Thermal Conductivity (Surface direction*1 : graphite layer only)	W/m·K	Laser flash method	≥1,400
Operating Temperature	°C	—	-40 ~ 150

\*1: Please refer to Figure 1 on the right for the thermal conductivity measurement direction

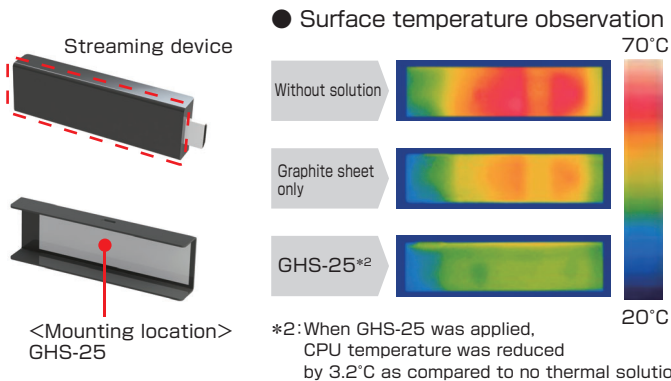
● Figure 1: Thermal Conductivity Measurement Direction



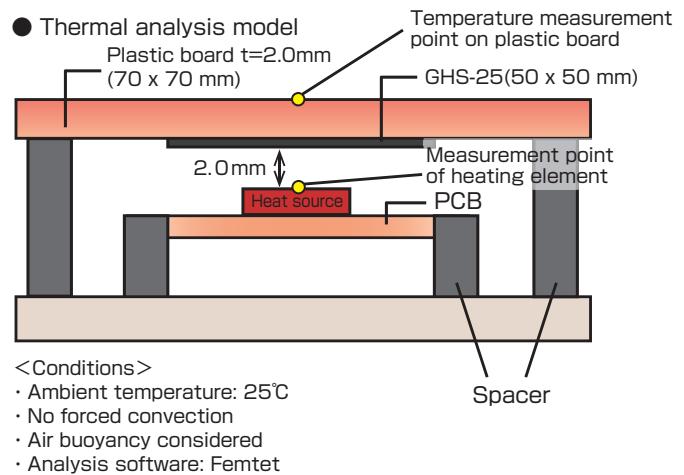
### Cross-section view



### Application Example



### Performance comparison



Unit: °C

	Heating element temperature	Plastic board temperature
No countermeasures	90.5	48.2
Graphite sheet only	103.7(+13.2)	39.6(-8.6)
GHS-25	83.6(-6.9)	35.9(-12.3)

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