

Heat conductivity HT SHEET

HT-050, HT-080

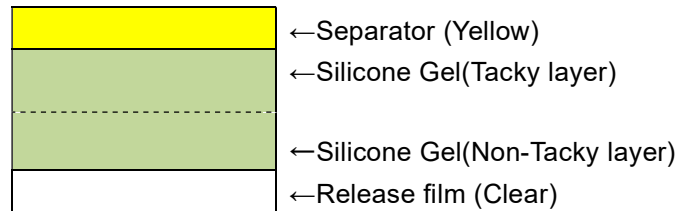
1. Outline

HT-050 and HT-080 of HT SHEET is thermal conduction sheet with the matrix resin of silicone gel. Most effective and appropriate thermal design by filling the gap between the heating unit and the radiation unit to secure the conduction path.

2. Features

- 1) A sheet with excellent thermal conductivity with the matrix resin of silicone gel
- 2) Fitting well to the uneven surfaces
- 3) It consists of double layers which are with tackiness and non-tackiness

3. Structure



4. Application

Thermal management of the semiconductor module, in-vehicle ECU

5. Characteristics

Test item	Unit	Test method	HT-050	HT-080
Thickness	mm	Dial gage	0.5±0.05	0.8±0.1
Hardness	-	Asker A	21	
Tensile strength	MPa	ASTM D412	0.70	
elongation	%		158	164
Breakdown voltage	kV	ASTM D149	6	8
Thermal conductivity	W/mk	ASTM E 1530	1.0	
Thermal resistance	m ² k/W		0.50×10 ⁻³	0.82×10 ⁻³

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 2706-66179-230329_E

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