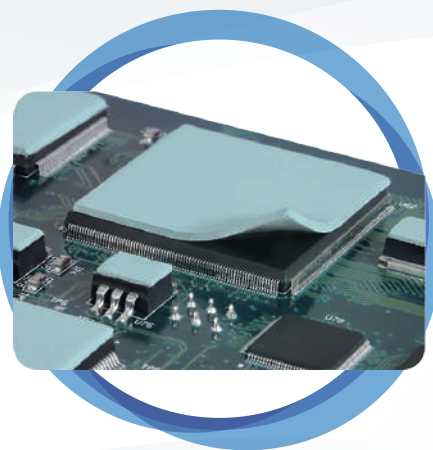


## 導熱矽膠片 Thermal Pad

### 基達散熱器組裝膜 C<sub>ooler</sub>AF™ 系列

#### ● 特性 / Features

- 高導熱性
- 耐高電壓
- 絕緣性佳
- 客製化的厚度
- 高壓縮率



導熱墊片是一種具有良好導熱性的熱界面材料，其係用於貼合在兩種材料接觸面上的空隙。導熱墊片具方便的加工性，可應用在需要大範圍散熱以及多種高低不平表面的元件，以建立良好導熱通道。隨著對熱管理的更高要求，GTA提出了創新和優化的導熱墊片，使產品能有效改善元件間的傳熱效率，對電子設備的性能、使用壽命和穩定性起著重要作用。導熱墊片可廣泛應用於電子產品、汽車電子、電信、筆記型電腦、LED等電子產品中，也可用於任何需要熱管理解決方案的應用。

#### ● 規格 / Specification

產品名稱	C <sub>ooler</sub> AF™ 3020	C <sub>ooler</sub> AF™ 5035	C <sub>ooler</sub> AF™ 8070
厚度範圍 (mm)	0.5 to 5.08	0.5 to 5.08	0.5 to 5.08
厚度公差 (%)	±5	±5	±5
熱導率 (W/m · K)	3.0	5.0	8.0
硬度 (Shore OO)	20-25	35-40	70-75
比重	3.0	3.2	2.9
壓縮率 (%)	73.3	65.5	79.1
體積電阻 (Ω · cm)	$8 \times 10^{12}$	$8 \times 10^{13}$	$2 \times 10^{13}$
擊穿電壓 (KV/mm)	7	6	5

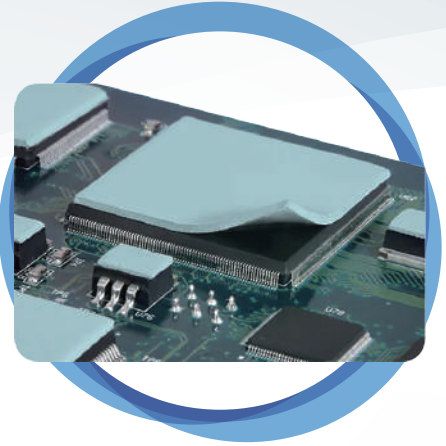


## Thermal Pad

### Cooler Assembly Film, C<sub>ooler</sub>AF™ Series

#### ● Features

- High thermal conductivity
- High voltage bearable
- Good insulating ability
- Customized thickness
- High compressibility



Thermal pad is a thermal interface material with good thermal conductivity, which is designed for fitting the interspace of the contact surface between two materials. The thermal pad having convenient processability can be applied in large scale of heat diffusion and various unevenness surfaces required of components, and establish a good thermal conduction channel. With the higher requirements of the thermal management, the innovation and optimization of thermal pad is put forward by GTA. This product can effectively improve the heat transfer between materials and plays an important role in the performance, service life and stability of electronic equipment. Thermal pad can be widely used in electronic products, automotive electronics, telecommunications, LEDs, etc..., also can used in any application that requires a solution of thermal management.

#### ● Specification

Product Name	C <sub>ooler</sub> AF™ 3020	C <sub>ooler</sub> AF™ 5035	C <sub>ooler</sub> AF™ 8070
Thickness range (mm)	0.5 to 5.08	0.5 to 5.08	0.5 to 5.08
Thickness tolerance (%)	±5	±5	±5
Thermal conductivity (W/m·K)	3.0	5.0	8.0
Hardness (Shore OO)	20-25	35-40	70-75
Specific gravity	3.0	3.2	2.9
Compression ratio (%)	73.3	65.5	79.1
Volume resistivity (Ω·cm)	8x10 <sup>12</sup>	8x10 <sup>13</sup>	2x10 <sup>13</sup>
Breakdown voltage (KV/mm)	7	6	5

