

“Graphite-PAD” high thermal conductivity in z-direction

Handling Precautions

⚠ Safety Precautions

- When using our products, no matter what sort of equipment they might be used for, be sure to make a written agreement on the specifications with us in advance. The design and specifications in this catalog are subject to change without prior notice.
- Do not use the products beyond the specifications described in this catalog.
- This catalog explains the quality and performance of the products as individual components. Before use, check and evaluate their operations when installed in your products.
- Install the following systems for a failsafe design to ensure safety if these products are to be used in equipment where a defect in these products may cause the loss of human life or other significant damage, such as damage to vehicles (automobile, train, vessel), traffic lights, medical equipment, aerospace equipment, electric heating appliances, combustion/gas equipment, rotating equipment, and disaster/crime prevention equipment.
- * Systems equipped with a protection circuit and a protection device
- * Systems equipped with a redundant circuit or other system to prevent an unsafe status in the event of a single fault

Graphite-PAD may result in accidents or trouble when subjected to severe conditions of electrical, environmental and /or mechanical stress beyond the specified “Rating” and specified “Conditions” found in the Specifications. Please follow the recommendations in “Safety Precautions” and “Application Notes”. Contact our engineering staff or the factory with any questions.

1. ⚠ Safety Precautions

- 1.1 The Graphite-PAD shall be used within the specified operating temperature range.
- 1.2 The Graphite-PAD is soft, do not rub or touch it with rough materials to avoid scratching it.
- 1.3 Lines or folds in the Graphite-PAD may affect thermal conductivity.
- 1.4 The Graphite-PAD shall not be used with acid.
The Graphite-PAD shall not be used in contact with a soldering iron at 150 °C or more.
- 1.5 The Graphite-PAD shall not be exposed to salt water or direct sunlight during use. The Graphite-PAD shall not be used in corrosive gases (hydrogen sulfide, sulfurous acid, chlorine, ammonia etc.).
- 1.6 Our Graphite-PAD has been developed for general industry applications. Prior to using the Graphite-PAD for special applications such as medical, work please contact our engineering staff or the factory.
- 1.7 Never touch a Graphite-PAD during use because it may be extremely hot.

2. Application notes

- 2.1 Do not use items with sharp edges as they might tear or puncture the Graphite-PAD.
- 2.2 The Graphite-PAD does not work properly if overheated.
- 2.3 Thermal conductivity is dependant on the way it is used.
Test the adaptability of Graphite-PAD to your application before use.
- 2.4 The Graphite-PAD has conductivity. Use the product at a position/place where you do not need any insulation.
- 2.5 Long term storage
 - The Graphite-PAD shall not be stored under severe conditions of salt water, direct sunlight or corrosive gases (hydrogen sulfide sulfurous acid, chlorine, ammonia etc.).
 - The Graphite-PAD shall not be stored near acid.

<Package markings>

Package markings include the product number, quantity, and country of origin. In principle, the country of origin should be indicated in English.