“NASBIS” (NANo Silica Baloon InSulator) Insulating Sheet

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

Our products 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 Our products shall be used within the specified operating temperature range.
1.2 Our products are destroyed easily, so don’t scratch or rub with hard materials or touch on laminate surfaces. Please note about the damage due to use the sharp-edged tool (metal tweezers) when you use our products.
1.3 Please do not strongly bent or cut.
1.4 Lines or folds in our products may affect thermal conductivity.
1.5 Our products shall not be used with acid, alkali.
   - Our products shall not be used in contact with a soldering iron at 400 °C or more
1.6 Our products shall not be exposed to salt water or direct sunlight during use. Our products shall not be used in corrosive gases (hydrogen sulfide, sulfuric acid, chlorine, ammonia etc.).
1.7 Our products has been developed for general industry applications. Prior to using our products for special applications such as medical, work please contact our engineering staff or the factory.
1.8 Never touch our products during use because it may be extremely hot.
1.9 Please do not store the parts under a load.
1.10 Please do not use the parts at the status of hard foreign materials stuck such as metals.

2. Application notes

2.1 Use protective materials when handling and/or applying our products, do not use items with sharp edges as they might tear or puncture our products.
2.2 Our products does not work properly if overheated.
2.3 Thermal conductivity is dependant on the way it is used.
   - Test the adaptability of our products to your application before use.
2.4 Long term storage
   - Please stored at a temperature of between 80 degrees -20 degrees.
   - Our products shall not be stored under severe conditions of salt water, direct sunlight or corrosive gases (hydrogen sulfide, sulfuric acid, chlorine, ammonia etc.).
   - Our products shall not be stored near acid, alkali.

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