



Kheat PI-Polyimide(kapton)heater is a heating material developed and produced independently by Ziitek company. The products is very soft, using modified PI film to a better thermal conductive performance. It can be customized according to design requirements, so that it can meet the requirements of different heating power and temperature requirements in different area of parts, reach the distribution of different temperature.

## Features

- 》 Thickness of resistor: 0.03-0.1mmT, Thickness of PI film :0.05-0.1 mmT
- 》 Ultra soft, the smallest bending radius is 0.8mmT
- 》 The product using modified PI film to a better thermal conductive performance, it is made of two PI films and resistor laminated by high temperature
- 》 Can be customized according to shape, size, power, way of installation, the products is coated on the heated products
- 》 The resistor is etched with the designed resistor, has better heating uniformity
- 》 Can be easily integrated with thin insulation materials, provide lightweight electric heating elements with insulation layer.
- 》 Can do adhesive on one side for convenient installation
- 》 RoHS,CE,UL compliant

## Applications

- 》 New energy industry(battery)
- 》 Communication security industry
- 》 Video camera, hard disk video recorder
- 》 Power industry, military aerospace
- 》 All kinds of electronic products need to be heated
- 》 Medical equipment, precision instruments and

**Typical Properties of Kheat™ PI Polyimide(kapton) heater Series**

Operating Voltage	1~220V AC/DC	Continuous Use Temp	200°C (it depends on temperature stability of the adhesive if customer needs adhesive.)
Dielectric Breakdown Voltage	≥1000VAC/MIN	Continuous Use Temp	-50~300°C
Insulation Resistance	≥100MΩ	Thickness	0.1~0.52mmT
Recommended Power Density	0.1-0.6W/cm <sup>2</sup>	Mechanical Compression strength	100KG/ cm2
Max Power Density	1.0W/ cm <sup>2</sup>	Pull Force of Guide Line	≥80N
Service Life	5~10 years	Pull Force of Soldering Point	≥20N

### Product Identification:

**Kheat - PI 3819**

Product Number

Working Voltage: 380-190V

PI:Polyimide Film



If you want to know our thermal Products,you can visit our website : <http://www.ziitek.com>

Gap Fillers | Pouring sealant | Silicon tape | Thermally Conductive paste | Flake graphite | Thermally Conductive Insulators | Ceramic heat sinks  
| Thermally Conductive plastic | Thermally Conductive Adhesive Tapes

**Canada:**  
Tel:+001-604-2998559  
E-mail: sales@thermazig.com

**Taiwan:**  
Tel: +886-2-22771007  
Fax: +886-2-22771075  
E-mail: raymond@ziitek.com.tw

**Dongguan:**  
Tel: +86-769-38801208  
Fax: +86-769-83791290  
E-mail: angus@ziitek.com

**Kunshan:**  
Tel: +86-512-57816297  
Fax: +86-512-57816327  
E-mail: kelvin@ziitek.com

**HangZhou:**  
Tel: +86-0571-63850366  
Fax:+86-0571-63850322  
E-mail: alex@ziitek.com