

Polyimide Printed Heater

◆ Description :

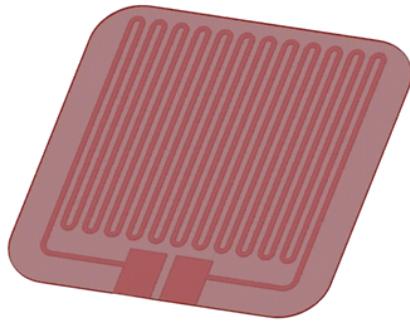
The Polyimide Printed Heater is a thin, lightweight, and highly flexible heating element designed for efficient and uniform heat generation. Manufactured using printed heater technology on a polyimide substrate, it offers excellent thermal stability, durability, and flexibility. This heater is suitable for heating surfaces, liquids, and gases, making it ideal for compact and space-constrained applications across medical, industrial, and electronic sectors.

◆ Application :

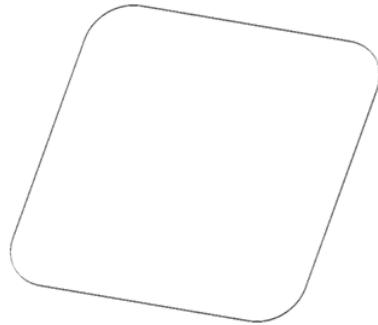
- Wearable electronics
- Medical devices
- Automotive systems
- Aerospace equipment
- Industrial equipment
- Food and beverage equipment
- Incubators and warmers
- Fluid warmers
- Pain management devices
- Diagnostic equipment



◆ Interface Diagram :



Sequence - 1



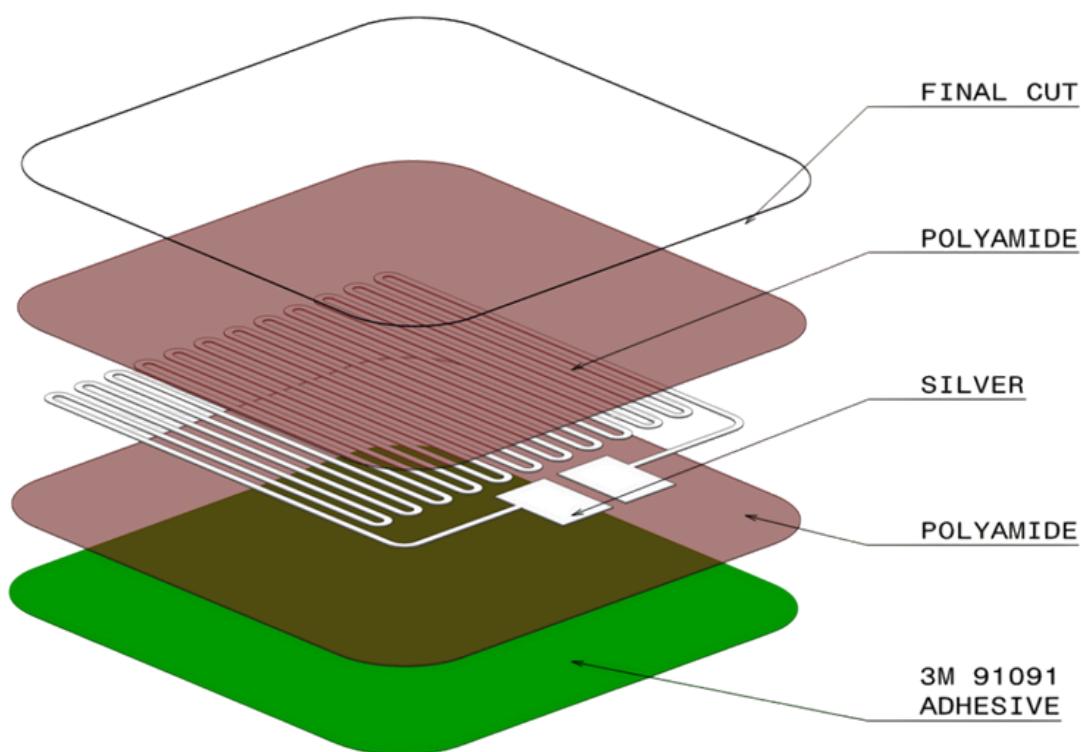
Sequence - 2

Polyimide Printed Heater

◆ **Feature :**

- Ultra-thin and flexible construction
- Uniform and even heat distribution
- Low power consumption
- Fast and reliable heating performance
- Integrated crimping connector
- High durability and long service life

◆ **Exploded View :**



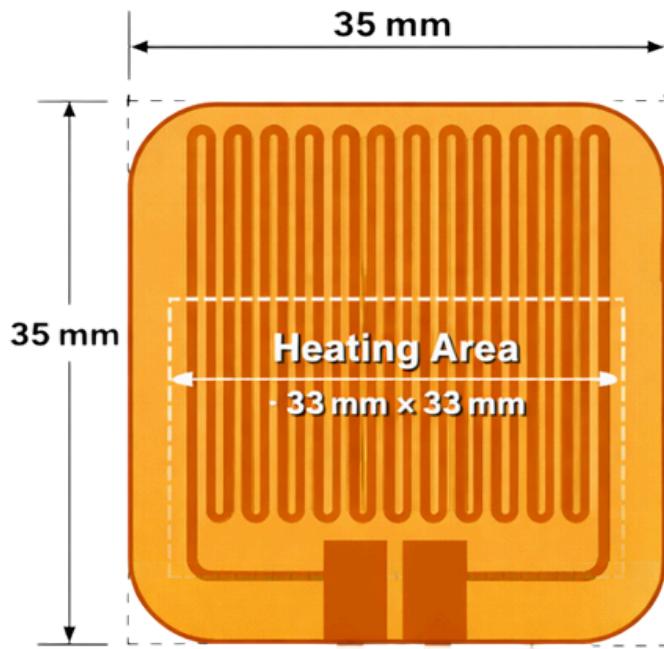
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General Information :

Property	Value
Technology	Printed Heater
Response Time	< 2 minutes
Heating Area	33 mm × 33 mm
Overall Dimension	35 mm × 35 mm
Thickness	0.4 mm
Power Supply	5 VDC to 12 VDC
Operating Temperature Range	80°C to 120°C
Conductive Paste	Silver
Material Type	Polyimide
Connector Type	Crimping
Pin Spacing	2.54 mm
Accuracy	±5%
Durability	4 to 5 years
IP rating	IP67
Country of origin	India

● — Circular Force Sensor Resistor — ●

◆ Sensor Mechanical Data :



◆ Datasheet Graph :

