LINEPRO CONTROLS PVT. LTD.
Key Solutions in Electronics

LP4548

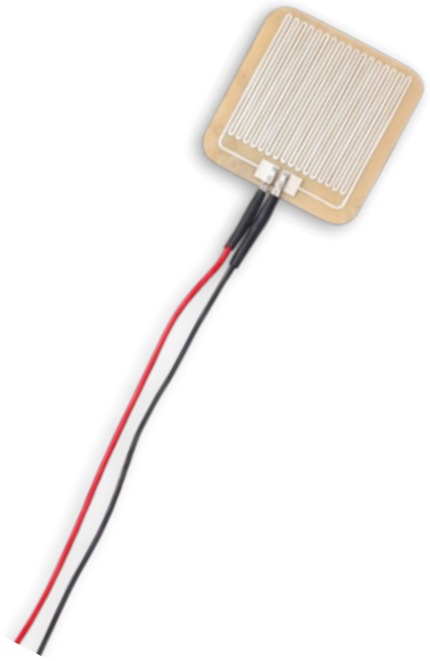
Polyester Printed Heater

Description :

The Polyimide Printed Heater is a compact, flexible surface heater designed for controlled low-voltage heating applications. It is manufactured using printed silver conductive tracks on a thin polyester substrate, enabling uniform heat distribution and fast thermal response. The heater is suitable for direct mounting on flat or curved surfaces and is engineered for reliable operation in medical, wearable, automotive, and industrial environments.

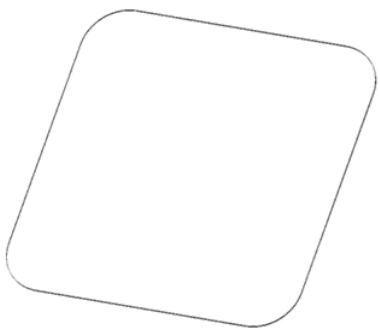
Application :

- 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

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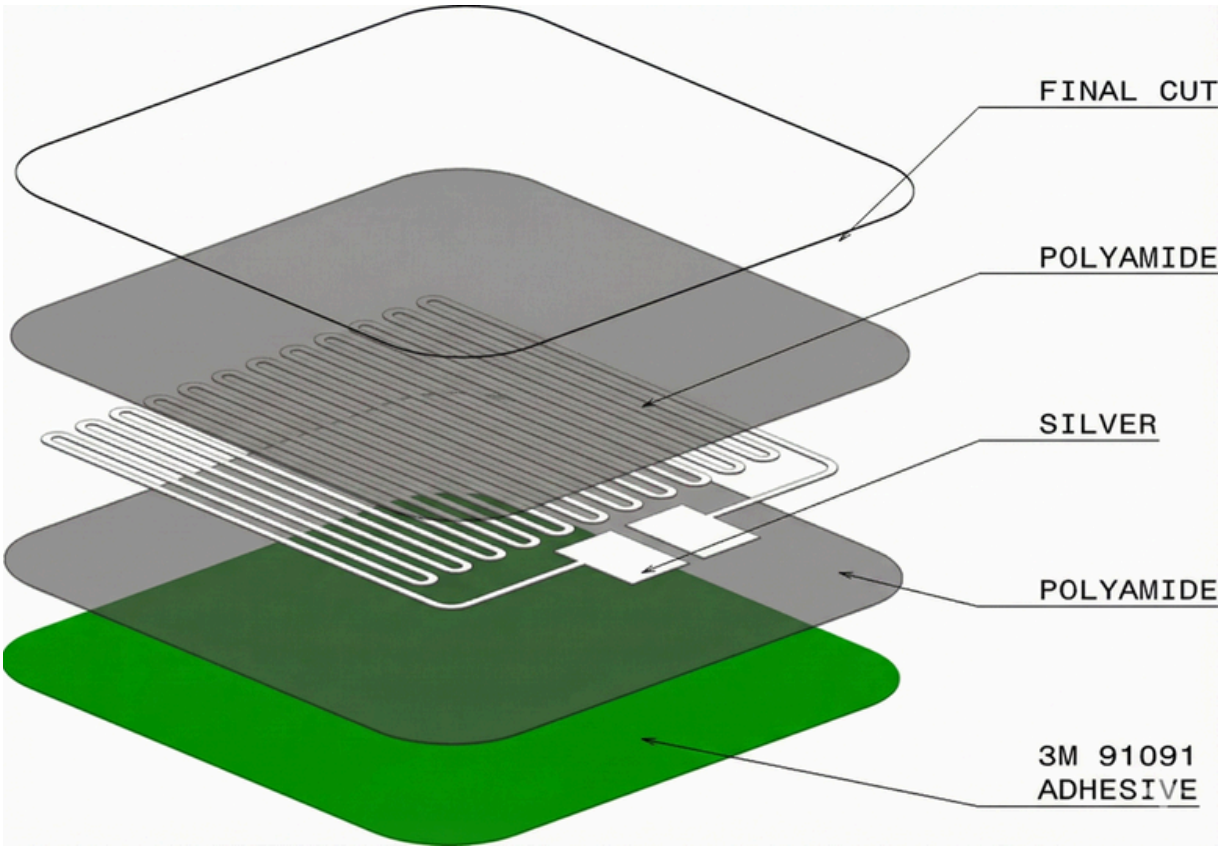
Feature :

- Ultra-thin and flexible construction
- Uniform and consistent heat distribution
- Low power consumption with DC operation
- Fast heating response time
- Integrated crimping connector
- Moisture and dust resistant (IP67)

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	30-60°C
Conductive Paste	Silver
Material Type	Polyester
Connector Type	Crimping
Pin Spacing	2.54 mm
Accuracy	±5%
Durability	4 to 5 years
IP rating	IP67
Country of origin	India

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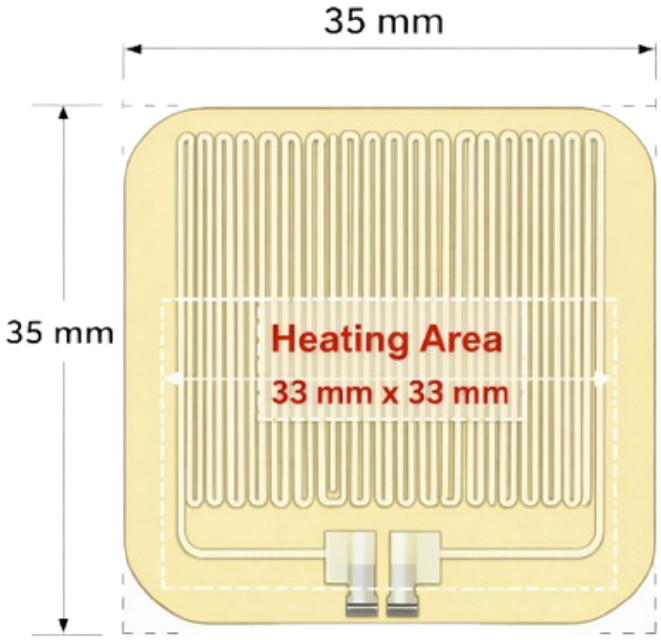
✦ Sensor Mechanical Data :



✦ Datasheet Graph :