



Quad Industries has developed its own range of flexible PTC heaters, using our expertise in printed electronics. The Positive Temperature Coefficient (PTC) functionality enables **self-regulation** to a specific temperature, offering **uniform and flexible heating** while increasing **safety**. Quad Industries helps you explore the different possibilities of new flexible heating technologies and guides you from the initial idea to the finished product.

Applications include a variety of possibilities, where steady heating and a cost efficient solution is required. They are easy to use and to install and the heating elements can be applied to a wide range of surfaces.

TYPICAL APPLICATIONS

- Automotive interior parts (door panels, arm rest,...)
- Blood and IV bags heater
- Battery heater
- Defogging and de-icing
- Medical equipment

FLEXIBLE PTC HEATER

Electrical Characteristics

Set Temperature (standalone)	40 / 60 / 90 / 105°C
Power Density	- Standard 0,2W/cm ² - Can go higher depending on heat sink
Electrical Interface	- 2,54mm pitch connections - ZIF termination - Other configurations available upon request
Input Voltage	Typical 5V – 50V (higher voltages possible)
Drive Current	Max. 6A

Mechanical Characteristics

Thickness	Typical thickness between 0,1 – 0,5 mm
Flexibility	Min. 1cm bending radius
Substrate	PET

Environmental

Operating Temperature	-45°C to 85°C
Storage Temperature	Room temperature

Contact our experts to see how we can help you in every phase of your product development process. We'd love to hear about your plans.



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