



**CHHAPERIA  
PTC PRODUCTS  
PRODUCT CATALOG**

# PTC?

- A **Positive Temperature Coefficient (PTC)** is a characteristic of materials that exhibit an increase in electrical resistance as their temperature rises.
- This property is highly valuable in various applications, especially in enhancing safety and reliability in electrical systems.

# BENEFITS

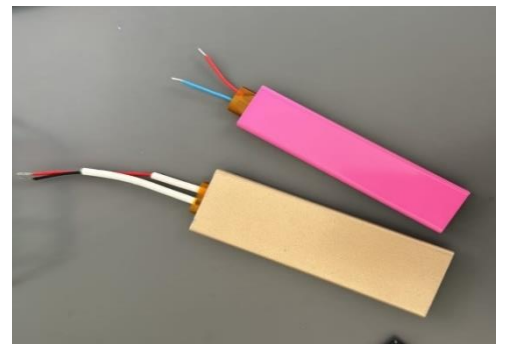
- **Self-Regulating:** PTC materials increase resistance as they heat up, limiting current and preventing overheating.
- **Overcurrent Protection:** PTC thermistors automatically restrict current during faults, protecting sensitive components.
- **Reliable Performance:** PTC devices provide dependable, built-in temperature management for enhanced system safety.

# APPLICATIONS

- **Heaters:** PTC materials enable self-regulating heating elements that maintain a consistent temperature.
- **Circuit Protection:** PTC thermistors act as resettable fuses, limiting current during high temperatures and resuming normal operation once cooled.
- **Temperature Sensors:** PTC components provide accurate temperature sensing in industrial and consumer applications, ensuring reliable system monitoring.

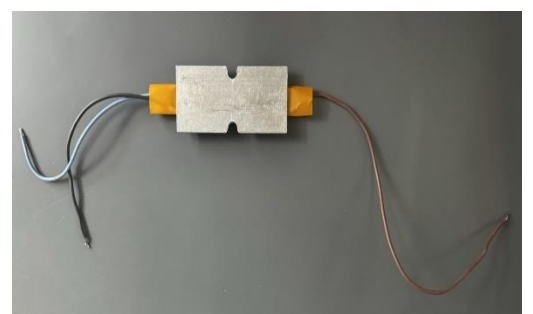
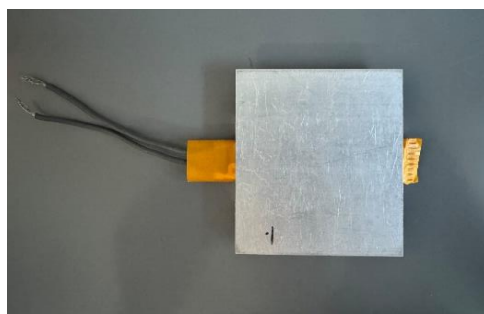
## ➤ PTC HEATER FOR HAIR STRAIGHTENER

Product code	HSXX-CT205
Rated Voltage	110-240 VAC
Dimensions	Customisable
Rated zero power resistance $\Omega$	As per the application and requirements
Operating Temperature	Customisable from 100°C~295°C
Tolerance	10%



## ➤ PTC HEATER FOR HAIR BRUSH / CURLER

Product code	HBXX-CT205
Rated Voltage	110-240 VAC
Dimensions	Customisable
Rated zero power resistance $\Omega$	As per the application and requirements.
Operating Temperature	Customisable from 150°C to 250°C (302°F to 446°F)
Tolerance	10%



➤ **PTC HEATER FOR MOSQUITO REPELLENT**

Product code	MRXX-CT180
Rated Voltage	110-240 VAC
Dimensions	Diameter and Thickness in mm (As per customer specs)
Rated zero power resistance $\Omega$	As per the application and specs
Operating temperature	90°C~270°C
Tolerance	10%



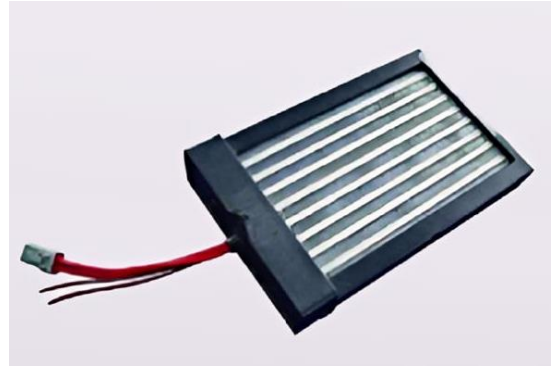
➤ **PTC HEATER FOR AIR CONDITIONER**

Product code	ACXX-CT250
Rated Voltage	110-240 VAC
Dimensions/Shape	Customisable
Rated zero power resistance $\Omega$	As per the application and requirements.
Surface temperature	50°C to 100°C (122°F to 212°F),
Tolerance	10%



➤ PTC HEATER FOR ELECTRIC VEHICLE

Product code	EVXX-CT180
Rated Voltage	12-750 VAC
Dimensions	Customisable
Rated zero power resistance $\Omega$	As per the application and requirements.
Surface temperature	30°C-100°C (122°F-212°F)
Tolerance	10%



# ABOUT US

**Chhaperia PTC Products LLP** is a subsidiary of **Chhaperia Electro Components**, a company with over 30 years of expertise in the heating element industry. We specialize in designing, developing, and manufacturing high-quality Positive Temperature Coefficient (PTC) heaters, offering efficient, reliable, and safe heating solutions across various applications, from consumer electronics to industrial machinery.

Our commitment to innovation and quality is supported by our experienced R&D team, which focuses on continuously advancing PTC materials and technology. As an **ISO 9001:2015** certified company, we adhere to stringent regulations, ensuring compliance in both product quality and management systems.

At **Chhaperia PTC Products LLP**, we guarantee reliability, prompt delivery, and competitive pricing. We also offer customized PTC heater development solutions to meet the unique needs of our clients, making us your trusted partner in heating technology.

## CONTACT DETAILS

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