

PTC THERMISTOR

Positive Temperature Coefficient Resistor

ZnO VARISTOR

Zinc Oxide Nonlinear Resistor













● ● ● World Best Quality in PTC Thermistor & Varistor

2014

2011 2010

2006

2003





CHRONOLOGY

• Selected as "Venture business" by SBC

• Selected as "Global excellent enterprise" by Jeonbuk

• Selected as "The leading company of the strategic industry" in Jeonbuk

Established Hiel's second factory

• Selected as "Inno-Biz" by SMBA

Selected as "Export promising firm" by Jeonbuk SME Export center

 Acquired a Patent for Pb Free Ceramic composite of PTC Thermistor and PTC Thermistor manufactured by the composites

Awarded "1 Million Dollars Exporter Tower" by The Korea International Trade Association

• Selected as "New Exporter 300" by The Korea International Trade Association

Acquired certification of ISO 14001

• Selected as Export oriented business (Jeonbuk SMBA)

Selected as parts material expertise company (Ministry of Industry and Resource)

Renamed to Hiel Co., Ltd.

• Selected as Clean Workplace (Ministry of Labor)

• Selected as "Inno-Biz" by SMBA

• Attained approval of PTC THERMISTOR UL (FILE NO. E213419

Acquired certification of VARISTOR VDE

• Selected as Promising SME in Jeollabukdo

Awarded Prime minister prize in good SME in the 2nd National SME Rally



Established Corporate affiliated Laboratory

 Awarded prize of Minister of Industry (Management and productivity improvement of venture business)

• Selected as Export promising Firm by Small and Medium Business Corporation

1998 • Acquired certification of ISO 9001

• Selected as Venture Enterprise designated by SMBA

Acquired certification of VARISTOR UL (FILE NO. E188093)

Performed technology development for PTC Thermistors Heater
 Acquired certification of VARISTOR UL 1449 (FILE NO 182771)

• Acquired certification of VARISTOR CSA (FILE NO LR 103860-1)

• Selected as Promising Small & Medium Sized Company

• Established Samyang Electronic Ceramics Co., Ltd

• Varistors and PTC Thermistor produced

Be a partner with HIEL CORPORATION, and your products will be stronger!



We aim for the Top Quality in the world



Certificate

























PRODUCTS & APPLICATIONS

PTC THERMISTOR ➤ Heating Elements



Advantages

- Self-Regulating Heating
- High-Reliability
- Stability
- Permanently Available

Applications







Hair Iron



Vaporizer



PTC THERMISTOR ➤ Over Current Protection



Advantages

- Inrush Current Limiter
- Circuit Protection
- Quick Response Time
- Self-Recovery

Applications



Microwave Oven

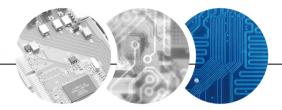


TV

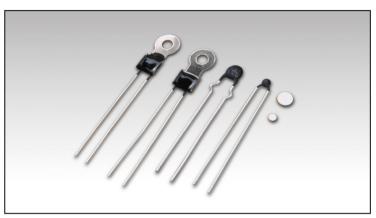


Air Conditioner





PTC THERMISTOR ➤ Over Temperature Protection



Advantages

- Small Size
- Quick Response Time
- Accurate and Automatic Temperature Management

Applications







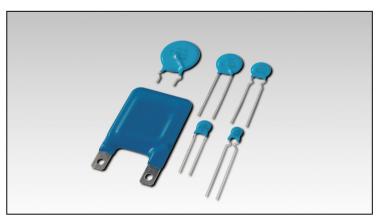
Adaptor



LED Light



ZnO VARISTOR ➤ Over Voltage Protection



Advantages

- Quick Response Time
- Lower Clamping Voltage
- Lower Leakage Current
- Safety Approvals

Applications

Car Head Lamp



Car Sunroof Motor



Refrigerator

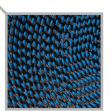


Vacuum Cleaner





We aim for the Top Quality in the world



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