



YOUR GATEWAY TO CRITICAL ELECTRONICS



Power



Transistors, Diodes, Diodes Bridges, IGBT Modules
Capacitors, Resistors

Protection



EMC Filters, TEMPEST Filters
Lightning TVS, Varistors
Thermistors, Active & Passive Cooling Solutions

High Voltage-RF



HT: Diodes, Optocopleurs, Power supplies
RF: Capacitors, Inductances, Filters, Baluns, Antennas

Sensors



Pression, Vibration, Humidity, Temperature

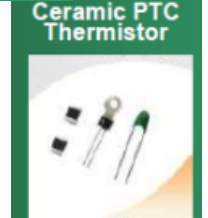
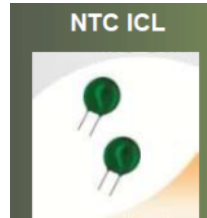
Lighting



LED components
LED rugged solutions (aero, defense)



PROTECTION OVER-VOLTAGE, CURRENT, TEMPERATURE



Over-voltage Protection

- ❖ Metal Oxide Varistor
- ❖ Gas Discharge Tube
- ❖ ESD Protector
- ❖ TVS Diode
- ❖ Spark Gap Protector

Over-current Protection

- ❖ NTC Thermistor
- ❖ Ceramic PTC Thermistor
- ❖ Polymer PTC Thermistor

Over-temperature Protection

- ❖ NTC Thermistor
- ❖ Sensor
- ❖ Ceramic PTC Thermistor

Technical Focus

Over Voltage, Over current, Over Temperature Protection solution
Custom design

Quality

40 years experience in protection solution
 Number 1 WW: Varistor and thermistor
 High level capacity of production with 6 factories located in China and Taiwan
 IATF 16949 and ISO 9001
 conformity assessment with UL, CSA, VDE, TUV, and CQC

CRITICAL SOLUTIONS, PRODUCTS LIST

- Bimetal Switch Wako.
- Capacitors Ceramic Johanson Dielectrics (Hirel*)
- Capacitors Electrolytic, FT Cap Leclanché Capacitors
- Capacitor Films, FT Cap Leclanché
- Capacitor Feedthrough AC & DC , MPE (Hirel)
- Connectors, Sockets, Harnessing, Lotes
- Dies Bare, Semefab, Central-Semi
- Diodes High-Voltage, VMI (Hirel)
- Discrete Semi Conductors custom packaging, Semelab, Central Semi (Hirel)
- EMC / EMP Filters, MPE (Hirel)
- Fans & Cooling Solutions AFL, YS Tech,
- Inductors, Talema, Easy-Magnet
- LED, Optosupply, Lumex.
- LED Lighting solutions, Aveo Engineering (Hirel)
- Opto-Couplers, Isolink-Skyworks. (Hirel)
- Opto-Couplers High Voltage, VMI (Hirel)
- Opto-Diodes High-Voltage, VMI (Hirel)
- Power Modules custom packaging, Semelab (Hirel)
- Power Supplies High Voltage, VMI (Hirel)
- RF products, Johanson Technology. (Hirel)
- RF Components (Pin diode, Schottky diode, limiter diode), Skyworks. (Hirel)
- RF Transistor custom packaging, Semelab (Hirel)
- Sensor, Varistor, TVT, NTC, PTC, PPTC, Thinking.
- Sensors (Pressure, Temperature, Humidity, Position and Piezo Accelerometer), Betatherm-MEAS-TE
- SELF, Transformer, Talema, Easy-Magnet
- Time Frequency Solution (TCX0-OCX0) GreenRay
- Transient Voltage Suppression Diodes Protek, (Hirel)
- Resistors Film, Caddock (Hirel)
- Resistors Wirewound/Ceramic/Film, Arcol.
- Supercapacitors, Vinatech
- Shunt, Riedon
- Transistor NPN Fast Switching Semelab (Hirel)



*Hirel: High Reliability Solutions for Defense, Aero and Space



TECHNICAL EXPERT

CRITICAL AND CUSTOMIZED SOLUTION PROVIDER

FLEXIBLE LOGISTIC PARTNER

INNOVATION PROVIDERS



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