KDP Micro Point Private Limited

KDP Micro Point Private Limited is an ISO 9001:2015 Certified Electronics Development and Manufacturer Company situated in Kolkata, India. Established in1993, the company specializes in designing, developing, and manufacturing electrical and electronic products.

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RDSO Approved

Fuse Auto Changeover System (FACS)

Fuse Auto Changeover System is designed for mounting on standards relay racks for railway use. With a removable back cover suitable for external wiring. Each panel consists of 8 control cards of Type I and 6 control cards of Type II. Each card contains a microcontroller-based circuit for detection of failure & change over for 4 individual fuses. The control cards are Euro type Connector for easy maintenance. The power supply for the system can be derived from 90V AC/DC to 120V AC/DC.

RDSO Approved

DTMF Based Electronic Block Bell & Block Telephone

DTMF-based electronic block bell and block telephone equipment is used in the place of conventional block bell equipment and block telephones. This equipment is used for calling by DTMF signaling and communication through 2-Wire or DARK FIBRE to the other end station where the tone is decoded and an audio-visual indication is activated.

Q Series Relay Test Equipment

The system is based on to test compliance of Q Series Relay to RDSO specification. The design is centered around a low noise and high accuracy 18-bit, multi Channel ΔΣ A/D converter with I2C interface. The system also provides a PC based front end (C# .Net) with RS323C, USB interface. The front-end software provides a Dashboard with utilities for printing of Test Reports, saving test data on to a database.

Measured parameters

- Coil Resistance normalized to 20° C
- Ambient temperature
- Contact Resistance
- Full Operation Voltage
- Release Voltage

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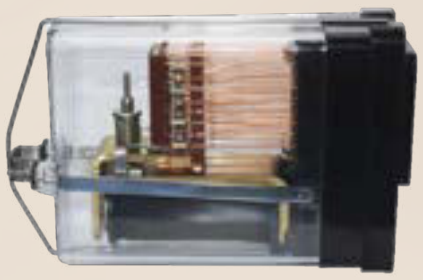


QN 1 Relay

AC Immunized, DC neutral, Tractive armature, Line Relay This is used for all control and detection Circuits except in external circuits of the AC RE Area. The unit compromises a neutral relay with a-slag and shunt fitted on to the core, to provide AC immunity to 1000 V AC RMS 50Hz.

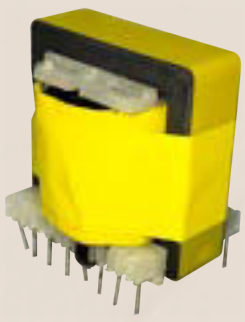
- Modular plug-in design
- Non-weld contacts
- Silver and carbon impregnated
- With silver contact tips
- Proven reliability
- Low life cycle cost

RDSO Approved

QN A1 Relay

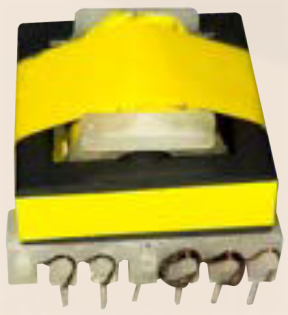
AC Immunized, DC neutral, Tractive armature, Line Relay This is used for all control and detection Circuits except in external circuits of the AC RE Area. The unit compromises a neutral relay with a-slag and shunt fitted on to the core, to provide AC immunity to 1000 V AC RMS 50Hz.

- Modular plug-in design
- Non-weld contacts
- Silver and carbon impregnated
- With silver contact tips
- Proven reliability
- Low life cycle cost



Push-Pull Transformer

An air core coil is an inductor that does not depend upon ferromagnetic materials to achieve its specific inductance. Its nductance is quite low and the magnetization characteristic curve is linear. Air core coils show no magnetic saturation compared to coils with magnetic cores.



Forward Transformer

Forward transformers are also popular switched mode power supply (SMPS) circuits, used for producing isolated and controlled DC voltage from unregulated DC input supply.

Forward transformers are used in ranges from 100W to 500W, whereas Flyback transmitters are particularly suited for low power applications.

Special Customized Transformer

KDP Micro Point is your professional partner for all special applications and customized transformers.

Coils

KDP Micro Point designs and manufactures various types of magnetic coils for multiple applications, depending on the requirements of our customers. An electromagnetic coil is an electrical conductor, such as a wire in the shape of a coil, spiral or helix. Electromagnetic coils are used in electrical engineering, in applications where current interacts with magnetic fields in devices such as inductors, electromagnets, transformers and sensor coils.

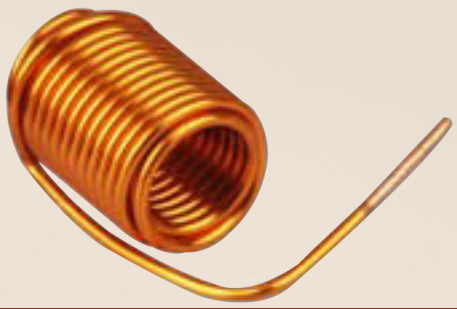
Auxiliary Coil

KDP Micro Point offers all types of customized auxiliary coils, depending on the requirements of our customers. Regularly auxiliary coils are used in relays.

Solenoid Coils

Solenoid coils just look like a simple coil of wire, but when current passes through it, it becomes an electromagnet. Electromagnets are particularly useful besides regular magnets, because they can be switched on and off and strengthened by increasing the passed current.

Solenoid coils are used in relays, water pressure valve, hard disk drive, speakers, MRI machine, cars etc.



Air Core Coils

An air core coil is an inductor that does not depend upon ferromagnetic materials to achieve its specific inductance. Its nductance is quite low and the magnetization characteristic curve is linear. Air core coils show no magnetic saturation compared to coils with magnetic cores.

Our Services

- SMT Components Assembly Through Pick and Place Machine

- PCB Assembly Service

Features and Versions

- Producing geometry like EE, EF, ETD, EFD, RM, PQ, EI, ER, EP and toroidal.
- Using iron powder, Si-Fe, Nano crystalline and amorphous ferrites.
- Manufacturing with mounting/base plate or encapsulated with potting/vacuum potting.
- Mounting can be horizontal or vertical.
- Manufacturing in customized terminals like SMD PIN, through hole PIN or flying leads with crimp/connectors.
- Construction according to EN 61558-1, UL insulation system for class F (GT owned), RoHS and REACH conformity.