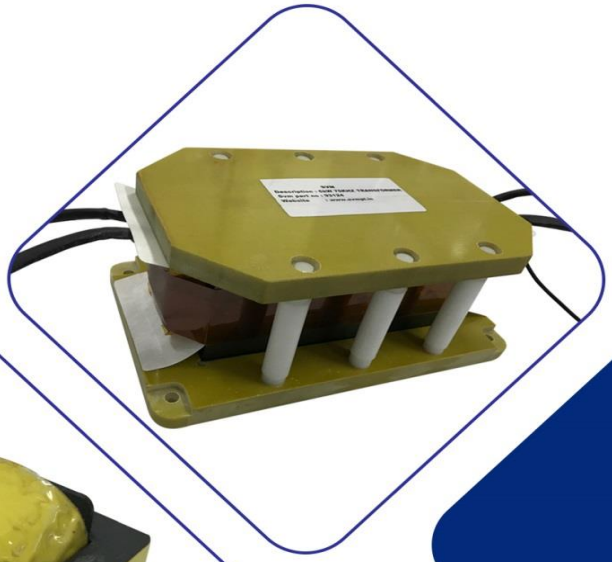
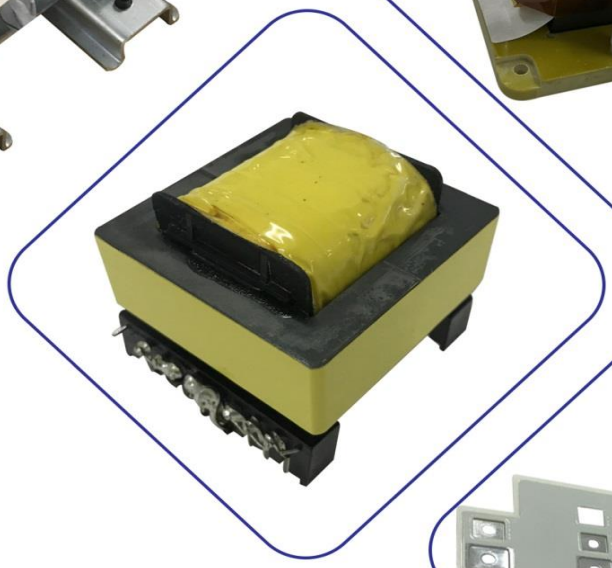
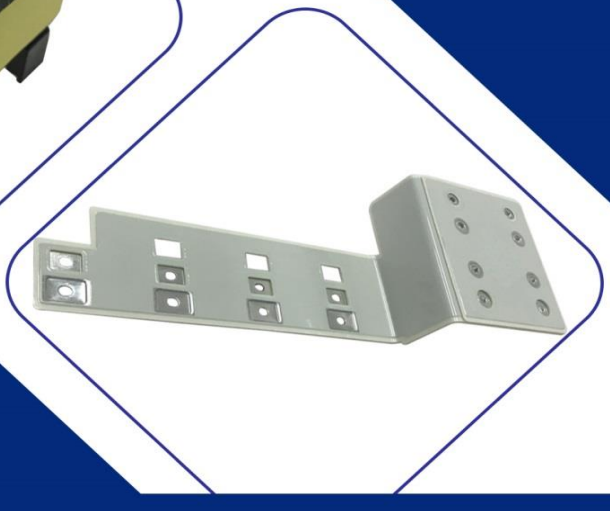
EXXELIA
Powering Performance

svm

An ISO 9001:2015 / 14001:2015 Certified Company







Smart Solutions For Your Critical Magnetics

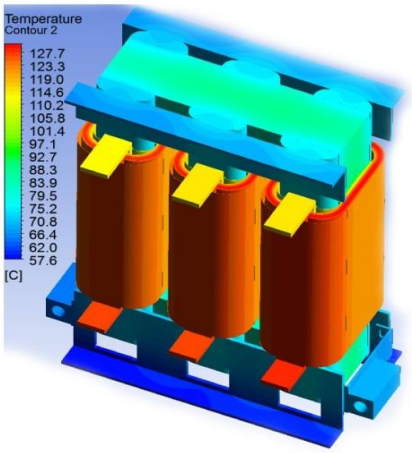
About SVM:

- Established in 1989, 30 years old company experienced in Design, Develop and Manufacture of Coils and Transformers for both High Frequency and Low frequency applications.
- SVM has the state of art manufacturing facilities to meet varied customer needs supported by well experienced Design and Manufacturing teams with strong vertical integration.
- Largest manufacturer of coils and transformers in India from low, mid to high volume. Capacity in excess of 10 Million numbers per Month.
- Product Application support, Rapid product development and sample delivery.
- Serving its customers across various fields from Power, Lighting, Medical electronics, Electric Vehicle, Automobile, Communications and other Electronic applications.

Design Solution:

- The Team at SVM can Engineer your ideas and convert them into End Use Components
- Design and Manufacture a wide range of Custom Magnetics for Various Application to meet Lower Leakage Inductance, Low Capacitance & High dielectric with stand voltage.
- Expertise in MATLAB, FEMM Modelling and Thermal Simulation of Magnetic components
- Vast Knowledge Base - Engineers with 20 Years of average Experience handled more than 300 critical Projects

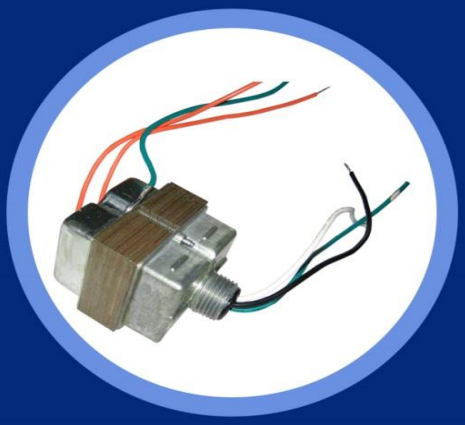
Product Line of Magnetic components includes:



- High Frequency Transformers (High Voltage and Low Voltage)
- Planar Magnetics
- Inductors (High frequency High Current, Air core Inductor)
- Reactors and Water Cooled Inductor,
- Chokes (EMI/EMC Chokes, CMC, DMC),
- SMPS Transformers,
- Linear Power Transformer,
- Current Transformers (Conventional and Hall Effect Current Transformers),
- Bus bars (Laminated, Powder Coated and Molded Bus bars)

Vertically Integrated Facility:

- Design of Bobbins, injection molds, manufacture of Bobbins in Thermoset (Phenolic) and Thermo Plastic materials from conventional to high performance grades.
- In house Litz Wire Manufacturing Facility - both Round Litz and Rectangular Type 8 litz for captive consumption
- In house tool room for Precision machining of plastics and metals for rigid mounting.
- In house Lamination Stamping and Sheet metal fabrication to meet custom design of magnetics
- Design and manufacture of packaging materials to meet customer specific packaging requirements to suit transport through road or air or ocean



Manufacturing Facility:

- ✯ Multi spindle CNC Winding Machines
- ✯ Automatic Test equipment's (ATE)
- ✯ Copper Foil Winding Machines
- ✯ Vacuum Impregnation plant
- ✯ Automatic Pressure Gelation Machine (Resin casting)

Test Facility:

- ✯ Partial Discharge Test up to 100kV AC
- ✯ Load Test up to 50kVA (50HZ operating frequency)
- ✯ Dielectric Strength Test both AC and DC
- ✯ Precision LCR Magnetic Analyzer for measuring Inductance, Impedance, Capacitance, and AC Resistance
- ✯ DC Bias Test up for Inductors
- ✯ Temperature Data Logger

Quality:

- ✯ SVM is an ISO 9001:2015, ISO 14001:2015 Certified Organization
- ✯ SVM Pvt Ltd is committed to provide its Customers Right Quality Products, On-time delivery and ever improving levels of Satisfaction through "Continual improvement"

UL File No: E251904

- ✯ Class 130 (B) coil and transformer insulation systems designated CIS.04, SIS-130
- ✯ Class 155 (F) electrical insulation systems designated SIS-155- 1

Safety and Regulatory Standards

- ✯ IEC 60601-1, UL 60601, ES 60601-1:2005
- ✯ IEC 61558-2- 13, IEC 61558-2- 4
- ✯ UL 5085-1, UL5085-2

Reliability Standards

- ✯ IEC62211 Level B (Vibration test, Drop test, Humidity test, Solder-ability test, Temperature cycle test, Continuous Vibration test)
- ✯ Meets ROHS, REACH, Packaging Regulations, 3TG-Conflict Minerals Compliance Requirements
- ✯ SVM is the registered member in BOMcheck for Regulatory Compliance Declarations

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