

MAGNETICS PRODUCTS

salzer



TOROIDAL TRANSFORMERS ▪

INDUCTORS ▪

CHOKES ▪

CT/VT & SPECIAL COILS ▪

Salzer Electronics Limited

▪ India's leader in Rotary Switches & Wiring Ducts ▪ International product approvals ▪ Worldwide market presence ▪ Five units with International affiliations



salzer

Established in 1985 in a time-bound collaboration with Saelzer Schal Fabrik GmbH to manufacture Rotary switches, and headquartered in Coimbatore, Salzer has grown into an independent multi-product entity with a wide range of Electrical Products, covering a variety of applications for the Domestic, Industrial and Automobile segment.

A wide network and business association with major engineering conglomerate on specific product ranges in domestic market, Salzer products are also available as a preferred choice in over 50 countries worldwide.

Engineering Excellence

- Manufacturing infrastructure facilities duly supported by modern techniques Like TQM, TPM, Six Sigma, Lean
- Manufacturing & 5-S
- Multi-barrier quality checks to ensure that the entire product range conforms to stringent quality parameters.
- Continuous upgradation at all levels by the implementation and maintenance of Total Quality Management.
- Quality certifications such as CB, CE, UL, CSA, S Mark on applicable range of products.
- Dedication to continuous product development through Innovation and setting new benchmarks.
- A full-fledged R&D center that is recognized by the Department of Scientific & Industrial Research, Government of India.
- Self sufficient and a captive Tool Room
- Sophisticated in-house-type testing laboratory with test capacity up to 900 Amps with 1200V DC as per various IS & IEC product standards.

Magnetics Division - Introduction

SALZER had a time bound collaboration with Plitron Inc, Canada to manufacture the Toroidal transformers, Salzer engineers are experienced and ready to design a custom Toroidal transformer and magnetics components for OEM applications. In the absence of other specifications, we will use the default criteria referenced in the Standard Line.

These are engineered to offer long-term reliability, while operating for extended periods daily under any line or load condition, and capable to supply peak power continuously under any line or load conditions. Salzer toroid's are application specific and typically designed to work at full capacity. They are intended to be used in commercial applications such as isolation, step-up or step-down; and to drive lighting, machinery, appliances, and many more applications.

POWER TOROIDAL TRANSFORMER



Range - 15VA to 25KVA

- High Efficiency
- Small Size
- Low Mechanical Hum
- Low magnetic Field
- Easy to Mount & Flexible Dimension

- Thermal protection (fuses or switches)
- Low Offline Losses Reduce Power Consumption
- UL Class B, F, H Insulation System
- Compliance to UL 5085, EN 61558

Application - UPS, PDU, Solar

Range- 50VA to 3000VA

Inbuilt Self-Resetting Thermal Switch
Low Inter winding coupling capacitance
Magnetic Shield to minimize Stray field Emission
Class B, F & H Insulation System
Safety requirement confirms to IEC 601-1, Class I & Class II equipment

- Dual Primary and Dual Secondary windings
- Isolation 5KVrms Primary - Secondary
- Creepage Distance minimum 8.0mm
- Leakage Current < 100μA
- Various mounting methods available
- Compliance to UL60601-1

Application -Medical Equipment

MEDICAL TRANSFORMER



AUDIO TRANSFORMERS



Range- 120W to 2000W

Audio equipment that suffers from distortion is more than a nuisance, it can negatively affect live performances, consumer products and key recording sessions. A noisy, vibration-heavy amplifier benefits nobody. It's important to eliminate as much unnecessary vibration possible; with proper audio Toroidal transformers, you can minimize hum and vibration for superior sound quality.

- 4 to 16 Ohms
- Encapsulated mounting (Option)
- Less Vibration, Smaller Size, Easier Mount
- Custom primary and Secondary voltages
- Suitable for any Rack type mounting,

- Low Distortion , High Q Factor
- UL Insulation Class A, B

Application -Audio Equipment

Range- 50VA to 3000VA

General purpose transformer-
UL and CSA certified
Low inrush current
UL Insulation Class A, B, F

- Compliance with EN 61558/ IEC 61558/UL/CSA
- Suitable outdoor Harsh environment
- IP 65 tested
- Fully plastic Encapsulated with Epoxy or PU Potting
- Design for Ambient of 55 Deg C

Application - Harsh Outdoor Environment, Control Panels

OUTDOOR CONTROL TRANSFORMER



ELEVATOR / ESCALATOR TRANSFORMERS



Range- 100VA to 6500VA

- Used in Emergency rescue device for elevator application
- Unique Construction
- 4 / 3 Tower Plate mounting
- Self inductance controlled transformer
- Short time overload capability.
- Flexible mounting option
- Various material selection and compact design

- Horizontal and vertical mounting
- UL Insulation Class A, B, F, H

Application - Elevators, Escalator Applications

Range- 100VA to 5000VA

IP65 tested
UL tested up to 3600VA
Isolation and Auto transformer construction available.
UL Insulation Class B, F, H & N

- Used for Solar Application
- Outdoor Neutral Forming Transformer
- Aluminium Encapsulated casing for better heat dissipation
- Suitable for outdoor application

Application - Solar Applications

SOLAR TRANSFORMERS



PCB MOUNT COMPONENTS



RANGE- Up to 100 AMPS

- Common mode Choke
- Single phase and Three phase chokes
- Ferrite and Nano Crystalline core chokes
- Automatic winding Machines

- UL Compliance material
- Various Mounting Option
- Design Solutions

Applications, UPS, Invertors, Electronics Panels, Drives , EV charger

Inductors / Chokes



Range - Up to 300 Amps

- PFC and DC-DC Converter Chokes
- AC Output Chokes
- Powder Iron cores, FeSi cores
- Unique Construction

- Copper and Aluminum Winding
- Flexible mounting option
- Horizontal and vertical mounting
- Upto Class H design

Applications, For Inverter, Solar, UPS Power & Energy, EV Charger

Range- Up to 100A

- Flexible mounting, Open and closed type chokes
- Compliance with shock, vibration & EMC test
- Class B & F & H Insulation System

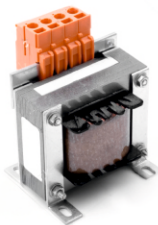
- VFD Chokes
- Forced air-cooled Chokes
- Up to 100 Amps
- Impulse withstand- 7.4KV
- Class B & F & H Insulation System

Applications: Drives and Control Panels

DC CHOKES



EI Control Transformer



Range- 50VA to 1000VA

- I/p - 2x115V, 2x230V, 415V, 460V, 600V
- O/p - 12V, 24V, 48V, 115V, 230V, 415V, 460V, 600V
- Compliance of IEC 61558

- Design for Ambient of 65 Deg C
- General Purpose Transformer
- Low Inrush Current
- UL Insulation Class A, B & F

Applications: Control Panels

Range- Up to 4000 Amps

- Plastic Encapsulated
- Suitable for indoor and outdoor
- Round and Bus bar fitment windows
- Compliance to IEEE 57.13 & IEC 60044 & 61869

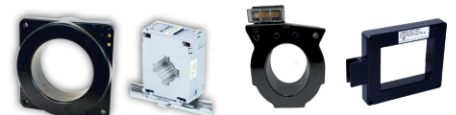
- High Accuracy CT's, < 0.15S
- IP65- Outdoor Cts
- Accuracy Class 0.15S to 1.0
- Tested as per UL and IEC
- Short circuit test compliance @ KEMA Lab

Applications: Current Measurement and Protection

HIGH ACCURACY CTS

Round and Bus bar type window

Oval and Rectangular Type Windows



SPLIT CORE CTS



Range - 50A to 1600A

- UL61010 & UL 2808 Approvals
- Energy Monitoring CT's
- Split CT's 50A, 100A, 200A, 400A, 600A, 1600A
- Accuracy Class 0.5 & 1%

- Voltage and current output
- Compliance to IEEE 57.13 & IEC 60044 & 61869
- UL Certification on request

Applications: Energy Meters & Monitoring

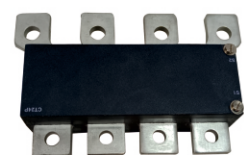
Range- 100A to 1600A

- Bus bar with silver/tin plated
- 3 Pole and 4 Pole Applications
- Accuracy Class 0.5 , 1.0

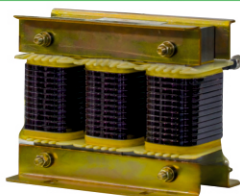
- Primary Wound CT's with copper bus bars
- Suitable for MCCB /ACB panels
- Epoxy Cast Molding

Applications: MCCB, ACB, Ground Fault Measurement

PRIMARY WOUND CTS



3 Phase Reactor Low Current Application



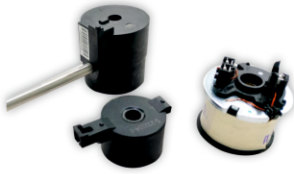
Range- Up to 30 Amps

- Design and Qualification Standard- EN61558-1,2-20
- Insulation Class B, F & H
- Audible Noise < 60 dBA
- Fundamental Frequency -50/60Hz
- Operating Voltage- 600Vrms

Applications: Drives & Control Panel

- PWM Frequency- 10 KHz Nominal
- Insulating Voltage 3KV
- Operating Ambient -10 to 60 Deg C
- Protection IP00
- Inbuilt Thermal Switch

SOLENOID COIL



Range- 3V/9V/12V/24V/48V

- Automotive Application
- Gasoline Application
- Fully over molded/Open Type
- IP 65 protected

- Compliance with shock, vibration & EMC test
- Automotive Certified Process

Applications: Automotive, Gasoline

- Outdoor and indoor application
- High accuracy
- UL Compliance

Range- Upto 150VA

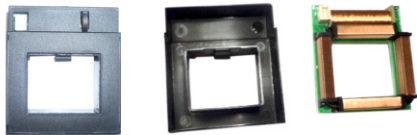
- Voltage Transformer up to 150VA
- Fully Plastic Encapsulated
- Compliance to IEC 61869

Applications: Voltage Measurement & Control

VOLTAGE TRANSFORMER



ROGOWSKI COIL



Self Powered CT with Rogowski

- Fast Sensing purpose
- High Saturation
- Compact Size, Fully encapsulated
- Rectangular, Square & Round Shaped Window
- High Current Sensing Purpose
- High Saturation & Accuracy
- Self Powerup

Application : Air circuit Breakers

Solid Rogowski for ACBs

- High accuracy and Precise winding Technology
- Frame 1-Upto2000AMPS,
- Frame 2-Upto4000AMPS,
- Frame 3-Upto6400AMPS.



- EN Safety Certified
- Class H Insulation system
- Compact Dimension
- Material Compliance as per UNIFE standard

Range- Upto 4000 Amps

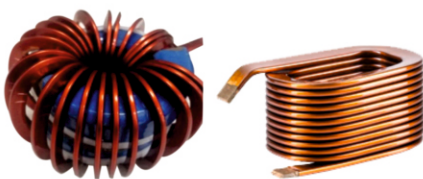
- Medium Frequency Transformer up to 100KHZ
- Input - 480V, 660V, 1000V
- Traction Application
- Fire Certified material construction

Application : Traction (Railways)

MEDIUM FREQUENCY TXR



EDGE WINDING INDUCTORS



Range- Upto 200 Amps

- Special Edge Winding
- Better Temperature performance
- Compact size with better cooling
- Copper and Aluminium Winding

Application : UPS, Drives, Solar , EV charger

- Flexible mounting options
- Upto Class H Insulation system
- Special winding techniques

- Isolation for CNC machines
- Step up /Step down units
- Power regulation/ Power Supply units
- UPS and invertors

Range- Upto 30KVA

- 3 Phase Hybrid Toroidal Transformers
- Flexible Dimension
- With enclosure / Open mounting bracket
- Increased Power density /Less core material

Application : CNC, Control Panels

3 PHASE HYBRID TRANSFORMER



DC HALL EFFECT SENSOR



Range- Upto 200 Amps

- DC Split Hall Effect Sensor
- Ferrite core construction
- Plastic Encapsulated
- Can be supplied as split / solid sensors

- 3 Frames
- Frame 1- Upto 60 A
- Frame 2- Upto 100 A
- Frame 3- Upto 200A

Application : Electronic Control Panels, Drives

SINCE **1985**



Creating
Value Through Efficiency
& Innovation

Exports to over 50 Countries



- Underwriters' Laboratory USA (UL) • Canadian Standards Association (CSA) • Conformance Europe (CE)
- Restriction of Hazardous substances (RoHS)



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