

Cores and transformers

Low energy losses and reliable operation



ADVANTAGES:

- Low energy losses
- Best efficiency
- Reliable operation
- Conversion of mains voltage to a lower voltage
- No conducted electrical interferences

As one of Slovenia's larger producers of various types of transformers and strip-wound transformer cores made of oriented silicon steel we comply with the highest standards, owing to our highly-trained personnel and modern technology.

MEETING HIGH STANDARDS

For more than 60 years we have manufactured transformers for converting single- and three-phase voltages. They consist of cores made of silicon-iron sheets and insulated copper-wire coils. We manufacture over 1000 different types of toroidal cores of various sizes/dimensions with the following limitations: outer diameter between 18 and 250 mm, inner diameter between 13 and 200 mm, height between 5 and 90 mm. We are specialized for the production of low-voltage transformers with strip-wound cores, while modern technology also allows us to manufacture cores and transformers according to customer requests, offering numerous options in terms of power, dimensions and other demands. Quality materials and a quality production process guarantee that our transformers meet the highest standards.

Think energy



OPTIMAL TOOL

Transformers are an optimal tool used in all electronic devices and many home appliances where mains voltage is converted to a lower voltage, as the operation of electronics requires a much lower voltage than the supply voltage. They are also indispensable in industrial automation, in the production of various machine tools and processing equipment; in measurement equipment and power supply systems.

CORES

We manufacture a diverse array of quality cores:

- Toroidal cores ..
- Rectangular and oval cores ..
- Cut C and E cores ..
- Customized cores. ..

Cut C and E cores are mainly used in power transformers, chokes and custom-made transformers. C cores are available in different standard dimensions and can be divided into the following groups: CE, CG, CM and CU.

We insulate the cores using insulating tape or are coated with an epoxy. What is a more, C core and other cut cores are supplied with clamps of appropriate lengths. We offer professional advice in the process of planning and help you to choose cores that best suit your needs or your product.

TOROIDAL TRANSFORMERS

Most of our transformers are constructed using toroidal cores, which are optimally shaped and have the smallest stray magnetic field. They are most efficient and have very low energy losses.

It is technically the best way of supplying electrical measuring and medical devices with power as there are no conducted electrical interferences, otherwise present with switched-made power supply.

Toroidal transformers are used for single-phase networks, especially in power transformers, both current and voltage ones, chokers, variable transformers and custom-made transformers. They are isolated and have an output power of up to 4 kVA and different primary and secondary voltages.

SINGLE-PHASE, THREE-PHASE TRANSFORMERS

Single-phase, three-phase and safety isolation transformers as well as power transformers are highly suitable for the galvanic separation of medical devices labelled MED.

TRANSFORMERS WOUND ON C CORES

Transformers wound on C cores are intended for single-phase networks. They are isolated, have output power up to 13.5 kVA and different primary and secondary voltages. Three-phase transformers are constructed on C3U cores.



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