

BUILT WITH SOLID CONSTRUCTION

All High voltage transformers are constructed using components and manufacturing techniques that provide voltage isolation between the primary and secondary windings.

MANUFACTURED IN THE US

We are proud to be a US based manufacturer operating in the United States. Custom Coils has been manufacturing High Voltage type transformers for almost 50+ years.

High Voltage Transformers



Our High Voltage Transformers Capabilities at a Glance:

- ❖ Ability to manufacture transformers with a variety of input and output voltages
- ❖ Manufacture transformers in a variety of formats and geometries
- ❖ Design up to 30LBs
- ❖ Manufacture with High Quality Materials & Highly Specialized Winding Techniques (multi-section bobbin or a multi-layer coil)

FEATURES AND SPECIFICATIONS

Output Voltage up to 60 KV

Output Power up to 2000 VA

Input:

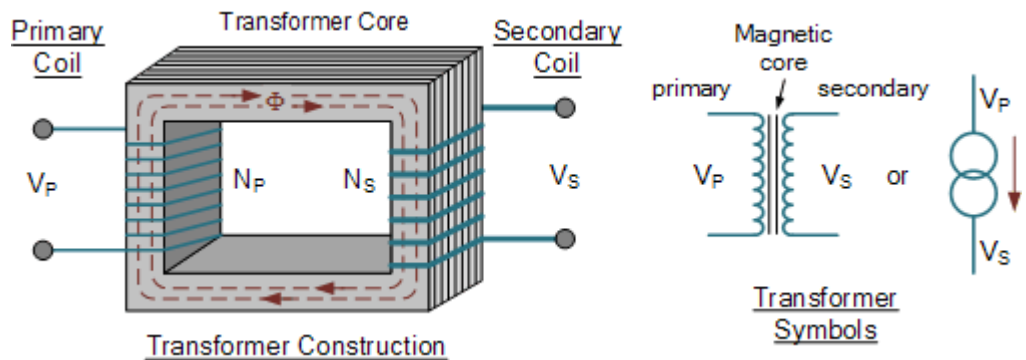
- ❖ 115, 57 to 63 Hz
- ❖ 115/230V, 47 to 63 Hz
- ❖ Switching - up to 100 KHz
- ❖ PC Mount
- ❖ Low Profile
- ❖ Split Section
- ❖ Horizontal
- ❖ Vertical
- ❖ High Voltage Exit
- ❖ Lead Wire
- ❖ Bobbin Terminal Toroids on Headers

High voltage transformers convert voltages from one level to another, usually from lower to higher voltages. They can include features for electrical isolation, power distribution, and control instrumentation applications.

Custom Coils can manufacture custom transformers with a variety of output specifications to meet your exacting requirements. Speak with us for custom transformers with an Output Voltage up to 60 KV and Output Power up to 2000 VA.



High Voltage Transformer Construction



Where:

- V_P - is the Primary Voltage
- V_S - is the Secondary Voltage
- N_P - is the Number of Primary Windings
- N_S - is the Number of Secondary Windings
- Φ (phi) - is the Flux Linkage

High Voltage Transformers

- High voltage transformers can be encapsulated in electrical grade varnishes or epoxies..
- High voltage transformers are very reliable and can operate in almost any environment.
- High voltage transformers can be manufactured with high voltage winding techniques either multi-section bobbin or multi-layer coil form.

KEY DESIGN ELEMENTS

- Isolated Outputs
- Ability to entirely customize transformers per requirement
- Support variety of input and output voltages
- Eliminate the possibility of a breakdown under load
- Adjustable Frequencies



APPLICATION SUPPORT

Please contact our engineers to help select the correct High Voltage Transformer you need. Designs can be customized to meet the specific design requirements of your application.

PRODUCTION TESTED

All High voltage transformers manufactured at Custom Coils are 100% tested on one of our Voltech AT3600 Transformer Testers.

For more information on any of our products or services please visit us on the Web at:
www.customcoils.com