



ZEONICS SYSTECH
DEFENCE & AEROSPACE ENGINEERS (P) LTD.



High Voltage DC Isolation Transformers



There are many applications where High Voltage Isolation is required between the power system and the experiment or application. We at Zeonics manufacture high voltage and ultra-high voltage isolation transformers for voltages upto a level of 400kV DC. The Transformers are operating either on 50Hz, 60Hz, or 400Hz but the Isolation requirements between the primary and secondary can be varied right from few kilovolts to several thousands of volts upto 400kV DC. Essentially isolation transformers are designed in such a way that the primary is at ground level or slightly above ground level, but the secondary is highly isolated and floating at a much higher DC voltage.

Proudly Made in INDIA





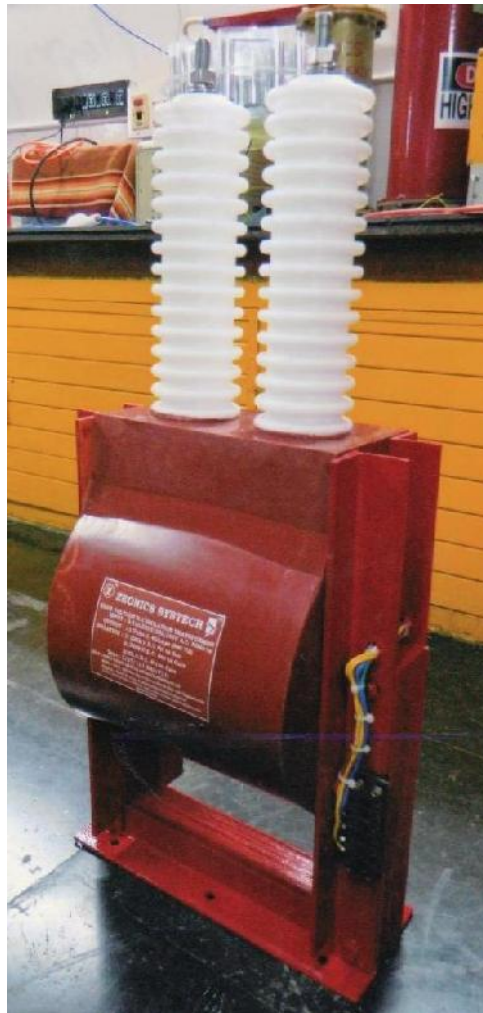
Large HV Isolation Transformer

1. Input voltage : 230 volts, 50Hz, Single Phase
2. Output voltage : 30 volts at 75A
3. Power : 2250VA
4. Isolation : P-S 50kV DC; P-Core 5kV DC ; S-Core 50kV DC
5. Application : Magnetron, Klystron Filament Isolation Transformer
6. Type : ZHS/01/46



High Voltage Isolation Transformer

1. Input : 230 volts
2. Output : 230 volts
3. Power : Maximum 8kV A
4. Isolation : 10kV to 200 kV D.C.
5. Regulation : Typically 7%
6. Type No : Z/27/110 (731)



High voltage Isolation Transformer

1. Input voltage : 230 volts, single phase
2. Output voltage : 230 volts, single phase
3. Isolation : 150kV DC/200kV DC/250kV DC
4. Power : 6kVA
5. Type : ZHS/01/29

Applications

Isolation Transformers are essentially an important factor where the voltage has to be isolated electrically, but magnetically coupled through a transformer. Our transformers are either oil immersed or epoxy moulded and can go up to high levels of isolations and shielding. We also provide a grid to ensure that the inter capacitance between primary and secondary are very less (minimum around 50pF). Isolation transformers are available in different shapes and sizes. Isolation transformers for AC isolation application also can be made on special request.

Advantages

We at Zeonics make the transformers compact in size, very rugged in construction and with different possibilities of terminations at the secondary like high voltage cables, high voltage connectors, or high voltage feed through. Standard transformers are in the region of 50kV-100kV isolation DC, higher voltage machines in the region of typically 150kV-200kV and Ultra High voltage transformers are available in the region of 300 to 400kV DC. Transformers are available both three phase and single phase. We have transformers with ratings of 50VA up to 25kVA.

Installation

Isolation transformers have very specific applications like primary has to be at ground level, secondary has to be floated, or that the secondary is not shorted to any electrical circuit. For these conditions, installation is critical factor, and in most of the isolation transformers live, neutral and earth is connected in the primary, but in the secondary there are live, neutral and shield. Shields can be connected either to primary or to secondary depending upon the application of the user. In case the shield is to be connected to the secondary then it has to be specified and same can be achieved.

Contact: Zeonics Systech Defence & Aerospace Engineers Pvt. Ltd.

"ADAR" #3, 10th Main, 7th Cross, Maruthinagar, New Thippasandra P.O., Bangalore - 560075.

Ph: +91 080-50092601, 080-50092602, 080-50092603, 080-25241900, 080-25241901, 080-25240523

Email: zeonicssys@gmail.com ; contact@zeonicssystech.com

Web Site : www.systechcapacitors.com ; www.zeonicssystech.com