



**ZEONICS SYSTECH**  
DEFENCE & AEROSPACE ENGINEERS (P) LTD.



# High Voltage Isolated Platforms, Jigs & Transformers



There is a continuous necessity and requirement for providing Isolation between the primary utility voltage and experiment being conducted. Many times Isolation levels are required in the region of hundreds of kilo volts and we at Zeonics specialize in these kind of applications.

**Proudly Made in INDIA**





### High Voltage Isolated Platform

1. Input : 230 Volts 50Hz, 1Phase
2. Output : 230Volts 50Hz 1 Phase
3. Floating Voltage : 100 kV/150 kV/200 kV DC  
250 kV DC /300 kV DC
4. Max Power :10 kVA in 1 Phase& 20 kVA in 3 Phase
5. Type No. : ZHS/001/061



### High Voltage Isolation Transformer for Magnetron filaments

1. Input voltage : 230V, 50Hz, 1 Phase
2. Output voltage : 6.3V / 25A; 6.0V / 75A
3. Regulation :  $\approx 9\%$
4. Isolation voltage : Pri to Sec - 60kV DC  
Sec to Core - 60kV DC  
Pri to Core - 5.0kV DC
5. Minimum temperature : -20°C
6. Maximum Temperature : +85°C
7. Type No. : Z/18/127, Z/18/138



### Filament Transformer

- |              |                                 |
|--------------|---------------------------------|
| 1. Primary   | : 400Hz 200Volts Input          |
| 2. Secondary | : 400Hz 10volts /25volts Output |
| 3. Power     | : 200VA/400VA/600VA             |
| 4. Type No   | : Z/39/01                       |



### High voltage 3 Phase Isolation Transformer

- |              |                               |
|--------------|-------------------------------|
| 1. Input     | : 415V, 3Phase, Star Delta    |
| 2. Output    | : 415V, 3 Phase, Delta        |
| 3. Power     | : 10kVA/20kVA                 |
| 4. Isolation | : 40kV D.C. & 80kV D.C. Class |
| 5. Type No   | : Amji / ZHS/002              |

### Applications

During time of experiment many times certain experiments call for very high Ultra Isolation in the region of 50kV,100kV 200kV. These requirements may be such that

at the primary level we would like to feed primary power but at the secondary level you want an experiment to be done which is Isolated at high voltage.

We specialized in this manufacturing 110:110,230:230, 440:440 isolation transformers all in three phase and single phase applications.

Transformers range right from low voltage isolation of 10kV to high voltage isolation of upto 400kV. These are designed in such a way that some of the Isolation transformers are simple primary secondary isolation using Epoxy moulded structures, oil and air systems. Some are such that they also use gas isolation.

### Specifications

There are several isolation transformers which we manufacture and one can see our specifications as we design as per customer requirement, we can make practically any kind of combination for the transformer. Ccascade transformers for very high isolation also are available

### Advantages

At Zeonics the Isolation transformers are very straight forward in application, they run continuously 24/7 and offer isolation at the highest level. Leakage currents for the isolation transformer in the region of 100kV are  $\leq 50$ micro Amps.

Leakage currents for Isolation transformers in the 200kV category can also be made with leakage current of  $\leq 50$  micro Amps.

The entire Isolation Transformer irrespective its voltage current will be compact in nature mounted on castor wheels.

### **Contact:**

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