



ZEONICS SYSTECH
DEFENCE & AEROSPACE ENGINEERS (P) LTD.



Compact Firing Modules



There is a requirement of ignition for special kinds of explosives, using a special kind of high energy, very compact pulse power source.

We at Zeonics manufacture these types of firing modules right from a working voltage of 3kV to a working voltage of 40kV. These kind of Pulse Power sources typically are in the power region of 5J to around 25J. Larger systems can be manufactured on special consideration.

Proudly Made in INDIA





Compact HV Firing Module

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|----|-------------|------------------------------------|
| 1. | Application | : Detonation |
| 2. | Input | : 28 Volts DC Battery Minimum 10Ah |
| 3. | Output | : Pulse of 5kV DC at 5 to 6kA |
| 4. | Energy | : 250nF at 5kV DC |
| 5. | Command | : + 5 volt DC & Manual |
| 6. | Type No | : Z/43/36 |



High Voltage Firing Set Spark Gap

- | | | |
|----|-------------|---|
| 1. | SBV | : 8kV DC |
| 2. | Control | : 3.5kV to 6.4kV |
| 3. | I Peak | : 10kA |
| 4. | Life | : 1000 Shots at 10kA
10,000 Shots at 1.8kA |
| 5. | Application | : Detonation Sets |
| 6. | Type No | : Z/42/114 |



Pulse Detonation Engine Igniter

1. PRR : 50pps
2. Voltage : 2kV
3. Energy : 10 joules/pulse
4. Type No : Z/38/4
5. Coaxial Exploder 4 Nos available 90° apart also

Applications

These sources have been designed and developed for detonation of explosives at small distances or into specific cavities. The set consists of a typical capacitor which is charged through a High Voltage supply and a Pulse Source.

These systems are reasonably compact, light-weight and reliable. Since they are made totally in India, they are very easily serviceable.

Advantages

We have developed these modules totally in-house. These can be produced in large quantity as required. The systems are produced totally in India and hence maintain the criticality, as required by all Mil grade components.

Contact:

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