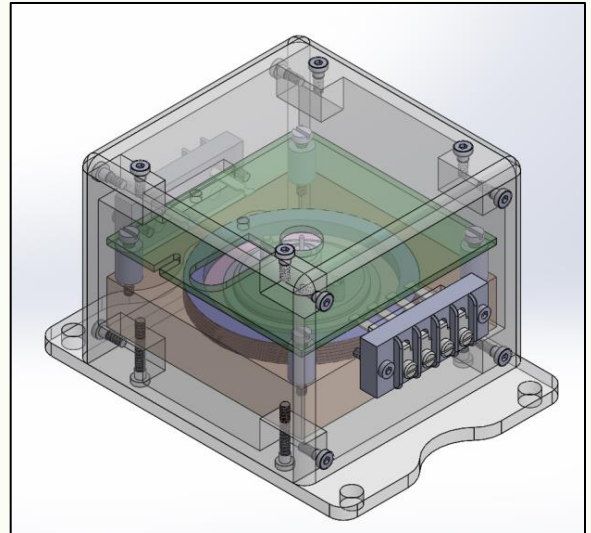


# High Voltage High Current Switch

## Type: HVS-06-16

**High Voltage High Current Switch Type HVS-06-16** is a hybrid switch configured around an ultrafast triggered high voltage spark gap. The high voltage trigger pulse required for the spark gap is generated using state-of-the-art solid state circuitry with onboard high efficiency DC-to-DC converters for input DC voltage regulation as well as for generating high voltage DC voltage of the order of +300 VDC for the high voltage trigger circuit. Input trigger pulse is optically isolated from high voltage switch circuit for enhanced immunity to spurious triggering. All components used in the design are qualified for most stringent environmental qualification. The Normally Open (NO) switch contacts are brought out through a MIL-qualified high voltage connector.



## Specifications

- **Self Breakdown Voltage** : 6 kV
- **Operating Voltage Range** : 2 – 4 kV
- **Peak Discharge Current** : 16 kA (Single Shot and 0.05 Hz), 4 kA (10Hz PRF)
- **Maximum Switched Energy** : 400 Joules
- **Rise Time** : 20 ns
- **Input Trigger** : 5 Volt Pulse (TTL/CMOS)
- **Input Power** : 18 – 36 VDC
- **Operating Temp. Range** : –40°C to +80°C
- **Dimensions** : 82 × 82 × 70 mm

## Other Features

- Input trigger pulse optically isolated from high voltage circuitry for enhanced immunity to spurious triggering



**Tek Xplore** – An ISO 9001: 2015 & ISO 14001: 2015 Certified Company

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