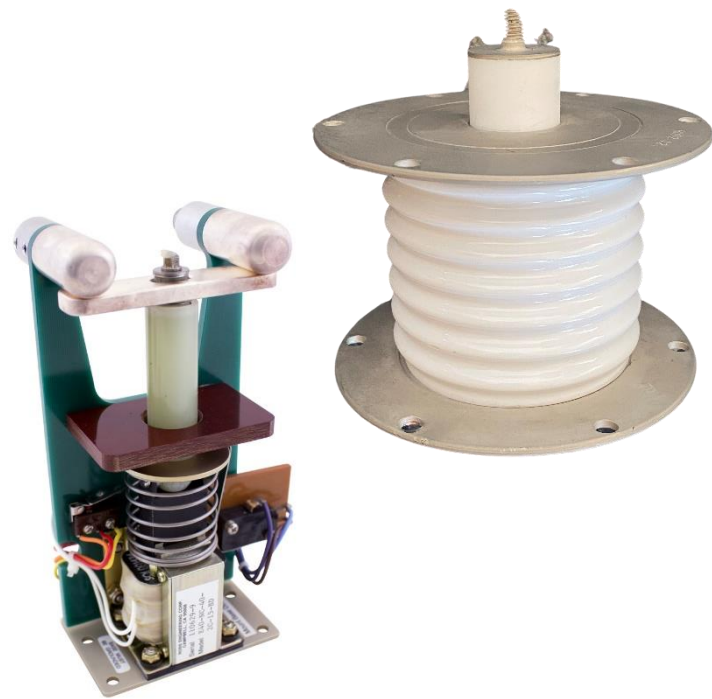


- Customized solutions
- Blanket orders and stock holding
- High and low voltage
- Automotive grade
- High Frequency available



# ACTIVE COMPONENTS



High Voltage Products. High Voltage Experts

[www.hvproducts.de](http://www.hvproducts.de)

Mail: [info@hvproducts.de](mailto:info@hvproducts.de)

Hotline: + 49 89 864 66 77 – 0

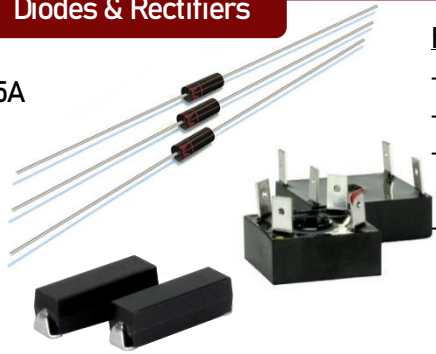
Fraunhoferstraße 12, DE-82152 Munich



## Diodes & Rectifiers

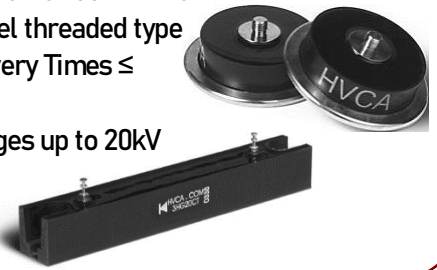
### Diodes:

- Up to 40kV – 55mA or 1kV – 2.5A
- Axial Leaded or SMD type
- Reverse Recovery Times  $\leq 20\text{nsec}$
- High temperature up to 200°C
- Standard diodes ex stock for fast delivery



### Rectifiers:

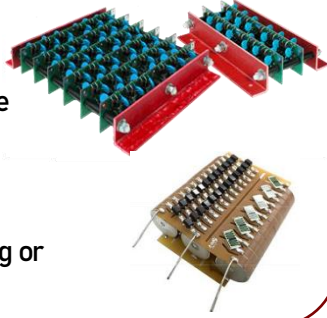
- Up to 150kV – 1.5A or 50kV – 2.5A
- Blocks or Hi-Bel threaded type
- Reverse Recovery Times  $\leq 35\text{nsec}$
- Full wave bridges up to 20kV and up to 5A



## Assemblies

### Specifications:

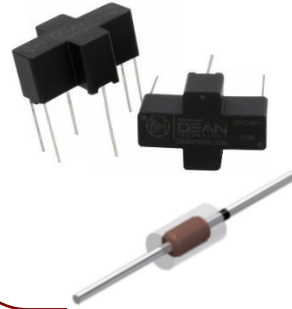
- Customized solutions possible
- Up to 150kV (X-ray boards to 600kV)
- Up to 160A
- Complete cascades for potting or use in oil up to 90kV



## Optocoupler / Optical Diodes

### Specifications:

- Up to 10kVDC and 80mA
- With photo detector diode
- Diodes up to 10kV – 500mA
- Standard rev. recovery times
- Complete galvanic isolation between systems



## Solid State Switches

### Specifications:

- Up to 90kV and 16kA<sub>pk</sub>
- Fixed, variable, and current depending on-time, push-pull types available
- On-times >50ns
- SiC-switches for 200kV and 600A
- Direct liquid cooling & HF-options



### Applications:

- Pulse power / shock wave generators
- Pockels cell drivers
- Flash lamp drivers
- Pulsed el.-static deflection



## Thyratrons / Spark Gaps

### Specifications:

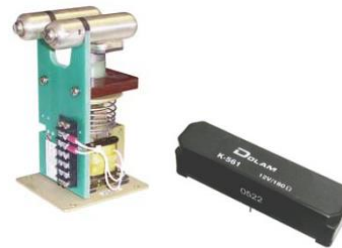
- Hot and cold-cathode version
- Triggered and self-breakdown
- Up to 300kVDC hold-off voltage
- Up to 200kA current capability
- Triggering systems available



## Electromechanical & Reed Relays

### Specifications:

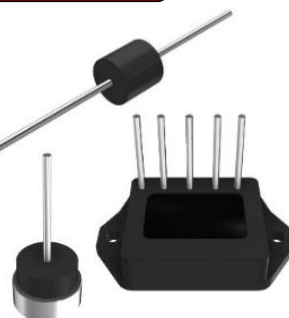
- Different contact forms
- Up to 300kV (el.-mech.) or 15kV (reed)
- Max. continuous switching current 2A (reed) or 200A (el.-)



## Low Voltage Diodes & Rectifiers

### Standard Diodes:

- Rev. blocking voltages <1000V
- High forward currents up to 50A
- Standard to ultra-fast recovery times (<40ns)
- SMD, leaded packages available
- Automotive Grade AECQ-101
- Three-phase bridge rectifiers



### Transient Voltage Suppressor Diodes (TVS):

- Peak power dissipation 200-1500W
- Different package types
- Uni and bi-directional
- Clamping voltages up to 830V

