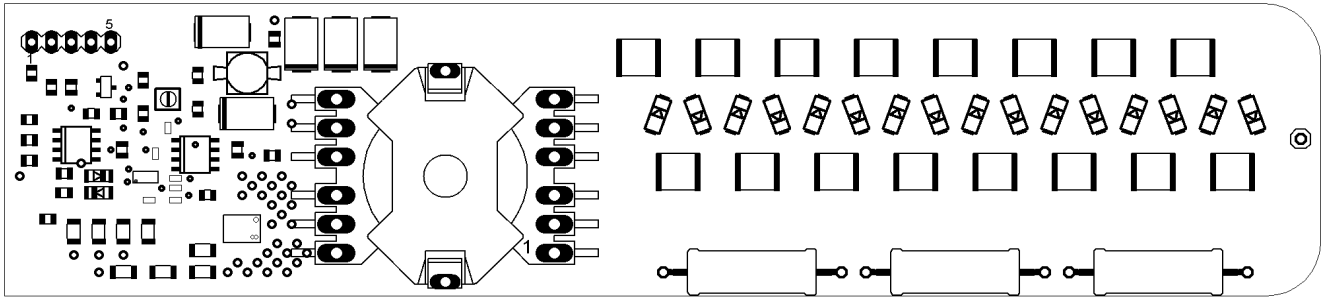


# HV20kV SMD

Ultra-light weight OEM high voltage power supply



The assembly high voltage power supply 20 kV 1mA+ is developed for the plasma-actuator of air objects and optimized for lowest total weight.

## Voltage and current

- Supply voltage over Ni-Cd Accumulator etc. nominal 24V 1A; input voltage between 15 - 30 V
- Maximum Output voltage 20 kV
- Output voltage adjusting with a poti in a range of 8 - 20kV.
- Output current up to 1.5 mA
- Maximal short circuit output current 4 mA
- Maximum average output power 25W, input voltage dependent.
- The power supply work with internal frequency of 40 . 125 kHz.
- The power supply is short-circuit protection
- Continuous operation of a spark gap should be avoided.

## Environmental conditions

- Environmental temperature 0-35°C
- Humidity 0-80%, the assembly is intended for us in dry rooms
- Protection class III, IP 00

## Mechanical, included items and connections

- High voltage output
- Connectors for input power 15 - 30V with inhibit-input

operation possible	input open (TTL-capable)
operation closed	input short circuit

- Adjustable voltage potentiometer

Dimensions: 169\*39mm, weight: 55g

## Safety

The high voltage output does not have any special protection against touching! The user has to ensure that the cascade and anything connected to the output cannot be touched during operations. A radiation of the frequencies used in the power supply and its harmonics cannot be excluded. It is up to the user to monitor the occurrence of any disturbances to curb this or cope with it.

18.10.18 David Jackisch (GBS-Elektronik GmbH)