



# HVP-8

## HIGH VOLTAGE DIODES

**VOLTAGE RANGE: 8KV**  
**CURRENT: 750mA**

### Features

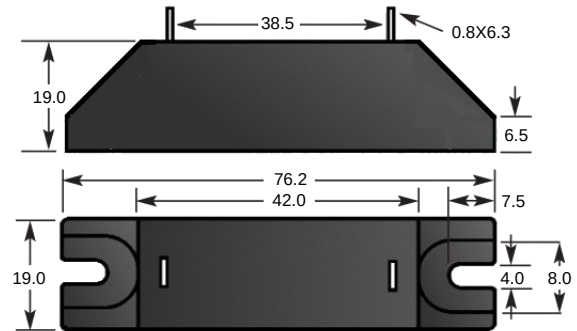
- Rectifier Blocks
- High Voltage
- Mounting
- Slots

### Applications

- X light Power supply
- Laser
- Voltage doubler circuit
- Microwave emission power



Outline Drawings : mm



### Maximum Ratings $T_A = 25^\circ\text{C}$ unless otherwise specified

| Characteristic                                                                    | Symbols   | HVP-8       | Units                          |
|-----------------------------------------------------------------------------------|-----------|-------------|--------------------------------|
| Repetitive Peak Reverse Voltage                                                   | $V_{RRM}$ | 8           | kV                             |
| Average Output Current<br>$T_a=25^\circ\text{C}$ , Resistive Load                 | $I_o$     | 750         | mA                             |
| Surge Current                                                                     | $I_{FSM}$ | 50          | A                              |
| Maximum Forward Voltage Drop<br>at $25^\circ\text{C}$ , $I_F=I_{F(AV)}$           | $V_F$     | 9.0         | V                              |
| Maximum Reverse Current<br>at $25^\circ\text{C}$<br>at $100^\circ\text{C}$        | $V_{RRM}$ | 5.0<br>100  | $\mu\text{A}$<br>$\mu\text{A}$ |
| Maximum Reverse Recovery Time<br>at $25^\circ\text{C}$                            | $T_{rr}$  | ---         | nS                             |
| Junction Capacitance<br>at $25^\circ\text{C}$ , $V_R=0\text{V}$ , $f=1\text{MHz}$ | $C_j$     | ---         | pF                             |
| Junction Temperature                                                              | $T_J$     | 125         | $^\circ\text{C}$               |
| Allowable Operation Case Temperature                                              | $T_C$     | 125         | $^\circ\text{C}$               |
| Storage Temperature                                                               | $T_{stg}$ | -40 to +125 | $^\circ\text{C}$               |