

BUY NOW



High Voltage EO Modulator/Switch Driver

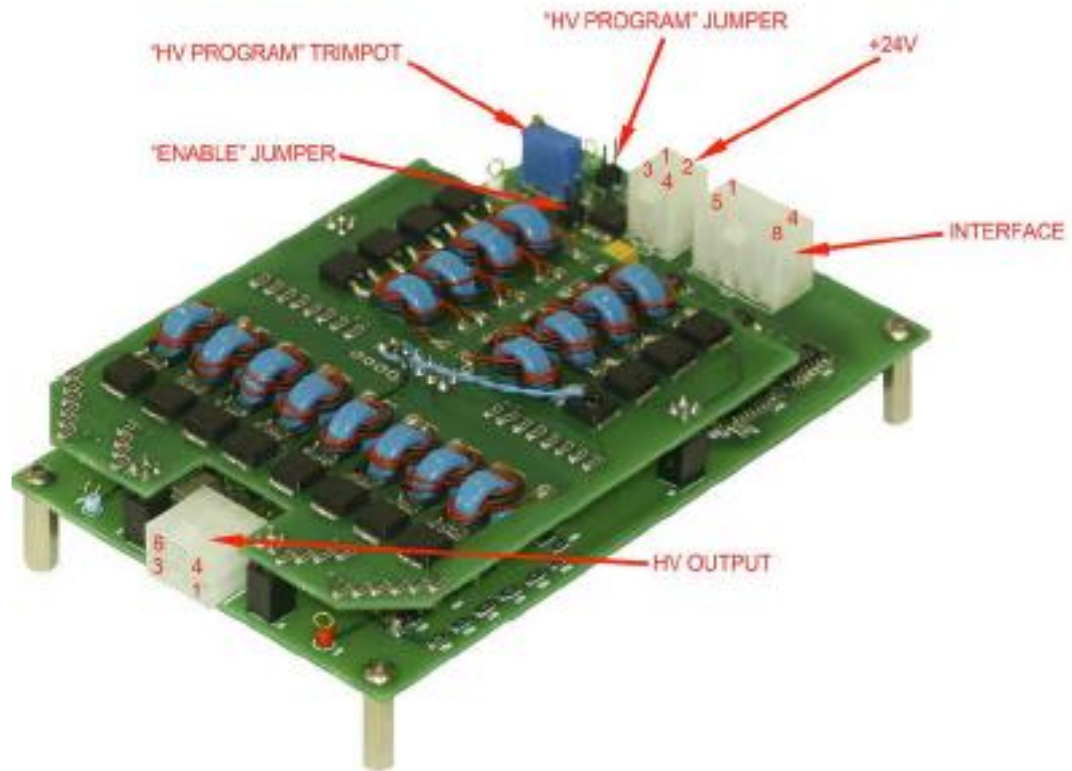
(1KV to 6KV)

Product Description

This HVED series drivers produce high voltage pulses with high repetition rates, fast risetimes and falltimes, adjustable voltage amplitude and pulse width. Two control types are available: manual and automatic. It is available in both PCB-level and enclosed version. PCB is extremely dangerous to operate due to high voltage.

Features

- High Voltage
- Highly Repeatable



Performance Specifications

| High Voltage EO Driver | Min | Typical | Max | Unit |
|---------------------------------------|------|---------------|------|------|
| Output Voltage Maximum | 1000 | | 6000 | V |
| Output Voltage Minimum ^[0] | 1000 | | 6000 | V V |
| Risetime/Falltime ^[1] | | 10 | 0.5 | dB |
| Pulse Width | 200 | | DC | ns |
| Delay Time | 0.1 | | 1 | μs |
| Repetition Rate | | 50 | 100 | kHz |
| Jitter | 1 | | 10 | ns |
| Internal Timing ^[2] | | 100 | | μs |
| Operating Temperature ^[3] | -5 | | 40 | °C |
| Input Power | | | | |
| Humidity | 90%, | noncondensing | | |
| Storage Temperature | -40 | | 85 | °C |

Notes:

[0] The driver only switch between the minimum to maximum level

[1] at 10-90% level. Also affect by amplitude and capacitor load

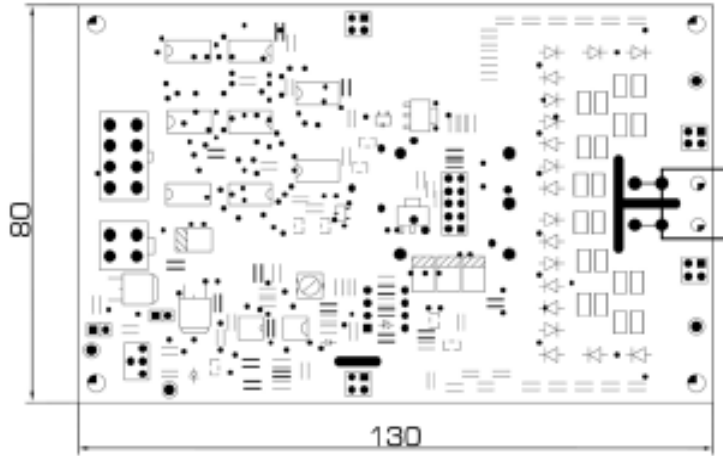
[2].The driver refreshes every 100 μs, which causes a small ripple and skip of triggering.

[3].The driver automatically shuts down at 70C

Applications

- EO Device Control

Mechanical Footprint Dimensions (Unit:mm)



*Product dimensions may change without notice. This is sometimes required for non-standard specifications.

Ordering Information

| | | | | | | | | |
|-------|--|--|--------------------------------|--------------------------|--------------------------|---|---|---|
| HVED- | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 1 | 1 | 1 |
| | Maximum Voltage | Minimum Voltage | Box | Jitter | delay | | | |
| | 1000V=14 2000V=28 3000V=31 4000V=41 5000V=42 6000V=62 Special=00 | 400V 800V 1200V 1600V 2000V 2400V | Yes= 1 No = 2 Special =0 | 1ns =1 10ns =2 | 0.1 μs =1 1 μs =2 | | | |