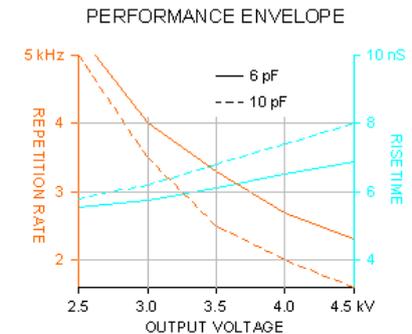




EO Q-Switch Driver

Q-Drive



Compact, yet the Q-Drive offers many features found in larger, more expensive packages. The front panel provides a full range of controls including an HV on-off switch, local high voltage adjustment, and indicators with status LEDs displaying Power on, Triggered, and HV on.

A remote control connector for convenient single-point connection to all driver functions allows remote HV adjustment by external potentiometer or voltage input, HV on/off control, and HV signal monitoring.

In addition to the 24VDC barrel jack used with the included power supply, there is another 24VDC power input, a 50 ohm trigger input with 1,500 volts isolation, and connections to monitor the voltage at 1V/kV.

The differential output eliminates the high DC voltage between the output terminals producing a maximum 2.25kV to ground potential, adding safety and reducing stress on the insulation.

Using long life components, including hybrid polymer capacitors, and designed to US Navy derating specifications, ensuring low component stress, our short circuit proof driver is constructed for reliability and tested from -40°C to +70°C.

All in a compact 4" x 5" x 2" case (10 x 12.5 x 5 cm)

(Available without the case for OEM applications.)

Key Features:

- ❖ Rise time 6.5ns, 2-4.5kV output, to 1kHz
- ❖ Front panel controls & indicators include:
 - 50 ohm trigger input with 1.5kV isolation
 - HV on-off switch
 - Status LEDs - Power on, Triggered, HV on
 - Local high voltage adjustment
 - Voltage monitor output 1V/kV
 - Remote control connector for convenient single-point connection to all driver functions:
- ❖ Remote HV adjustment by external potentiometer or voltage
- ❖ HV on/off control
- ❖ HV monitor signal
- ❖ 24VDC power supply included
- ❖ Compact design
- ❖ High-reliability

Key Benefits:

- ❖ Ideal for use with EO Pockels cells
- ❖ Excellent/accessible technical support
- ❖ Each device tested prior to shipment

Applications:

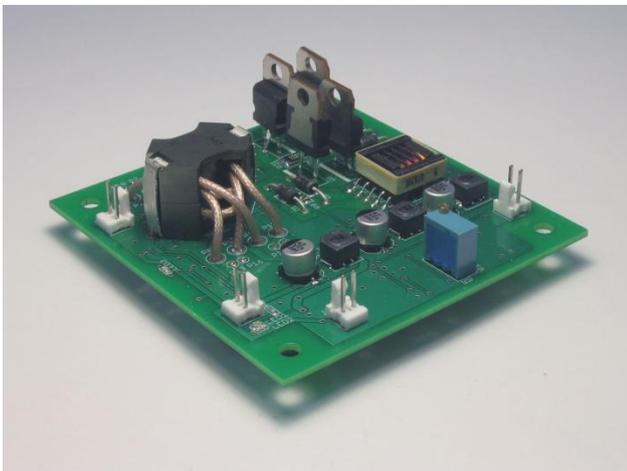
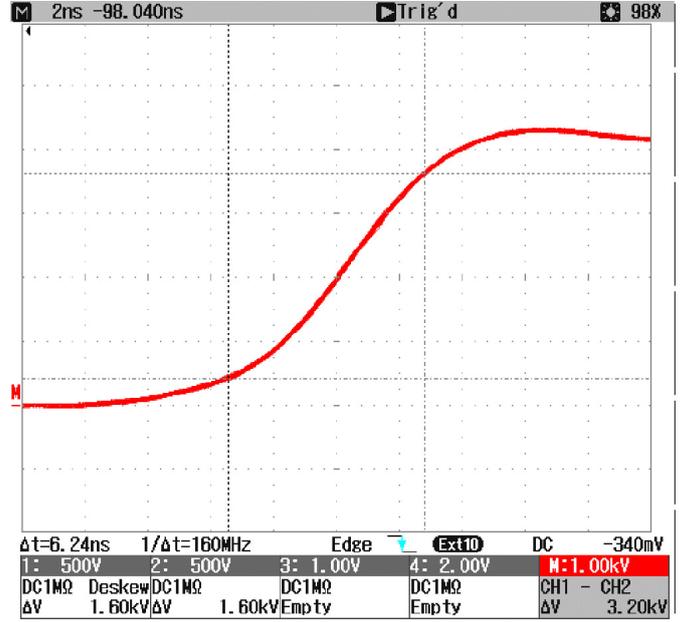
- ❖ OEM - Inquire about board only devices
- ❖ Research
- ❖ Education
- ❖ Military

Waveforms

COMPLIMENTARY +/- OUTPUTS



RISETIME VOLTAGE ACROSS CELL



OEM Models
Customized to meet your needs
Contact G&H with your special requirements

FALLTIME VOLTAGE ACROSS CELL

