

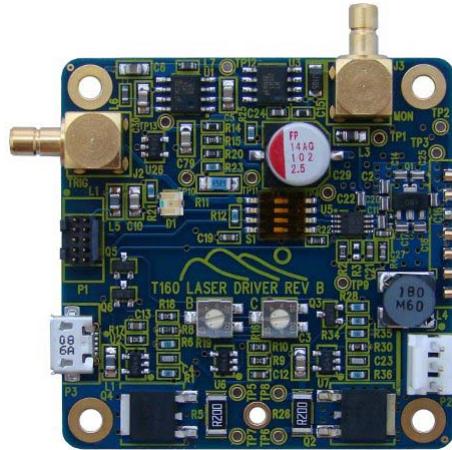


## Laser & Pockels Cell Drivers

### HIGHLAND TECHNOLOGY

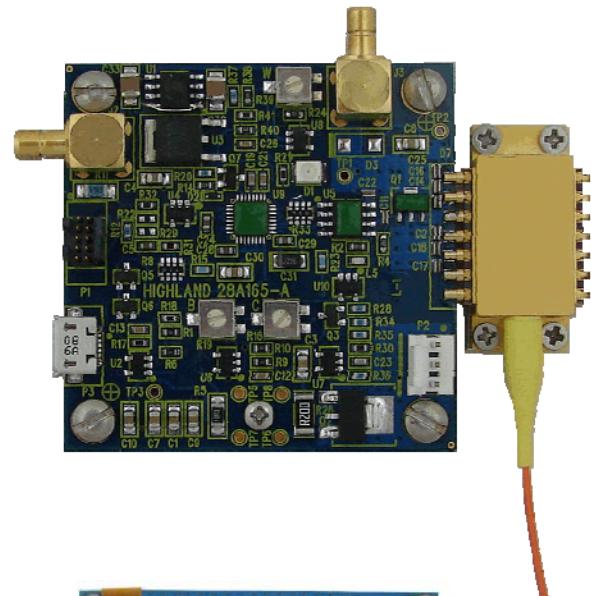
#### T160 pico/microsecond laser driver

- Laser pulse follows input
- Optical pulse widths from <100ps to 50 $\mu$ s
- Laser bias voltage adjustable up to +1.5V
- Laser current 0 to 700mA, 2.5V compliance
- Accepts TTL / LVDS / LVPECL / CML
- Local or remote +5V operation
- Gain-switching and SOA compatible



#### T165 pico/nanosecond laser driver

- Onboard pulse width generator
- Optical pulse widths from <100ps to 850ns
- Laser bias voltage adjustable  $\pm$ 1.2V
- Laser current 0 to 700mA, 2.5V compliance
- Accepts TTL / LVDS / LVPECL / CML
- +5V operation
- Gain-switching and SOA compatible



#### D200 compact nanosecond laser driver

- Laser current 0 to 4A, 9V compliance
- DC-coupled pulse follower mode
- Onboard pulse width generator 0-1  $\mu$ s
- 2 ns nominal rising and falling edges
- Accepts TTL / LVDS / ECL / LVPECL / CML
- Local or remote control





## Laser & Pockels Cell Drivers

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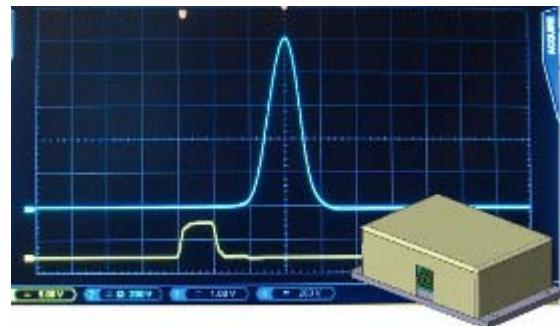
#### D100 high power pulsed laser driver

- Laser current 0 to 250A, 30V compliance
- Sources up to 7.5 Joules
- Onboard pulse width generator
- 10 $\mu$ s rising and falling edges; widths adjustable 50 $\mu$ s to 1000 $\mu$ s
- Accepts CMOS / TTL / LVDS
- Local or remote control



#### T850 compact pockels cell driver

- Drives 250 to 1400V peak into capacitive load
- Pulse rate 4 MHz typical at 1000 volts
- Pulse width 7.5 nanoseconds FWHM typical
- Requires only 48V DC power at 2 amps max
- Jitter below 30 ps RMS
- 1/200 pulse monitor output provided
- Compact assembly 3" x 4.2" x 2"



#### Custom/OEM laser controllers for complex electro-optic systems

- Photodiode signal processing
- Timing sequencing and pulse picking
- Picosecond domain time measurement and pulse generation
- Seed and pump laser drivers
- Metrics, waveform acquisition, analog controls

