



GEM-DLS70

PULSED LASER DRIVER

The GEM-DLS70 has optimized the HV-DC source and trigger circuitry in size and functionality to fit in just 37 cm². Its typical application is driving pulsed laser diodes.



ELECTRICAL SPECIFICATIONS

- Output current: 20-70A (switchable with adjustable resistor)
- Maximum output voltage: 150V
- Rise time ~ 7ns
- Trigger delay ~ 40ns
- Minimum pulse length: 15ns
- Maximum pulse length: 0,5us
- Pulse repetition frequency: 1 pulse-100kHz (maximum pulse length decreases as frequency increases)
- Trigger signal: 3,3-5V (50 ohm connection)
- Current reading: 40A/V (50 ohm connection)
- Supply voltage: 24V-0,175A / 36V-0,116A

ENVIRONMENTAL SPECIFICATIONS

- Operating temperature: -35° C / +50° C
- Storage temperature: -40° C / +70° C

GENERAL SPECIFICATIONS

- Pulse length control with trigger signal (15ns-0,5us)
- Up to 100kHz pulse repetition frequency
- Different input voltage options (24-36V)
- Current reading pin
- The laser diode can be soldered directly to the pads on the GEM-DLS70.
- Along with its small size, the GEM-DLS70 s designed for ease of use.
- It eliminates the need for multiple peripheral supply units.
- A single dc supply (24V) and trigger signal are sufficient for operation.

PHYSICAL SPECIFICATIONS

- Weight 19g
- Size: 44mm x 83mm



www.gempanet.com.tr info@gempanet.com.tr +90 312 426 14 80

Dicle Caddesi, Akarçay Sk. No:3, 06800 Beysukent-Çankaya/ANKARA