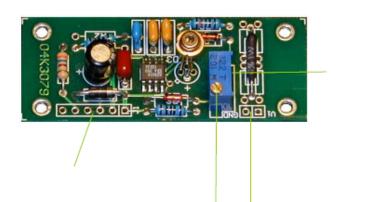


## Linear Modulation Laser Diode Driver OELDD-080M

OELDD-080M linear modulation laser diode driver provides linear controlled laser current by external modulation voltage signal. It is ideal to drive light emitting diode (LED) and laser diode (LD) without photo diode. The laser current range is from 0 to 80mA. Adjustable current limit will protect our laser diode in the case that the modulation signal voltage is too high.

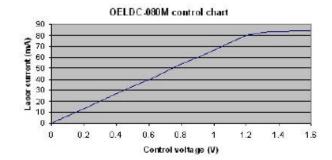


Connector:

Linear modulation (V<sub>Ctrl</sub> <=1.2V):  $I_{laser} = V_{Ctrl} / 15$ 

TTL modulation (V<sub>Ctrl</sub> >1.2V):

I<sub>laser</sub> is decided by Laser Current Limit.



## Features:

- · Operates in linear controlled current mode
- Adjustable laser current limit
- 0.2% driving current linearity
- Up to 10MHz TTL modulation compatible (Use Laser Current Limit to control laser diode current).
- Working-indicator LED
- Single +5V power supply
- Wide operation temperature range

## Specifications:

| . '                                 |                                       |
|-------------------------------------|---------------------------------------|
| Maximum laser diode driving current | 80mA                                  |
| Driving current linearity           | 0.2%                                  |
| Modulation frequency                | 0Hz to 10MHz                          |
| Driving current stability           | 1% or 0.5mA (After 1 minute starting) |
| Power supply                        | +5V                                   |
| Operation Temperature               | -20 ~ +75°C                           |
| Size                                | 58mmX 22mm                            |

Note: All specifications are subject to change without notice.