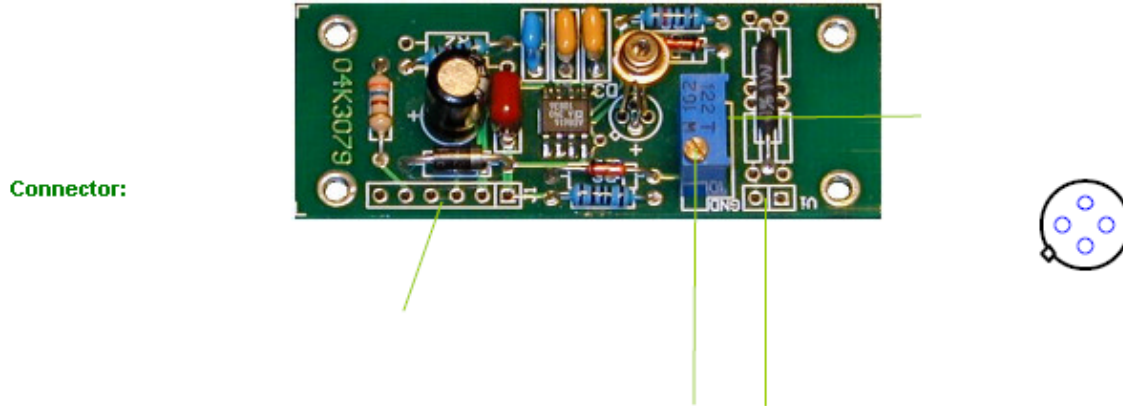


NORTH PHOTONICS

Linear Modulation Laser Diode Driver OEMOD-LDD-080M

OEMOD-LDD-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.

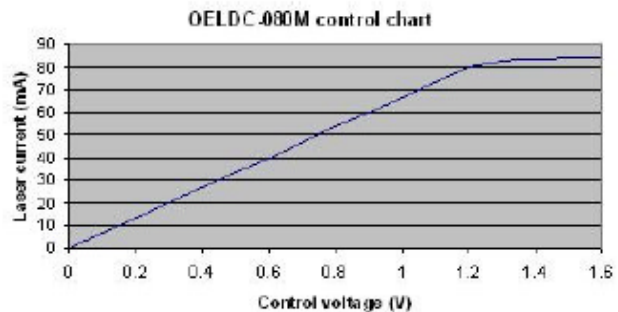


Linear modulation ($V_{Ctrl} \leq 1.2V$):

$$I_{laser} = V_{Ctrl} / 15$$

TTL modulation ($V_{Ctrl} > 1.2V$):

I_{laser} 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	58mmX22mm

Note: All specifications are subject to change without notice.