Figure 1. Physical Photo of ALLD15A25V

MAIN FEATURES

- Emulate U-I Curves of Lasers
- High Input Current Capacity: up to 15A
- High Input Voltage: 25V
- Low Noise High Airflow Fan
- Over Temperature Protection
- Over Current Protection
- Compact Size

APPLICATION

It can be used for debugging and testing the laser drivers by emulating the laser U-I curves.

DESCRIPTION

This laser driver load assembly ALLD15A25V is designed to emulate laser diodes for evaluating multiple series of laser drivers. These laser drivers can be used to drive one or multiple laser diodes with high efficiency and low noise for DPSSL, EDFA, or fiber laser applications. They accept wide range input voltage and their output voltage can be from 0V to almost the same as the input voltage. The size is very small, but can output high current, high voltage, thus high output power.

The laser drivers can be evaluated by using real lasers. However, the real laser diodes are expensive and vulnerable. The ALLD15A25V can be used to emulate the U-I curves of most lasers on the market so that there won't be any costly damages, as opposed to using real lasers. After making sure that the laser driver works well, all the connections are made correctly and reliably, then connect the real laser diodes with the laser driver. Figure 2 shows the U-I curve of simulated the laser.

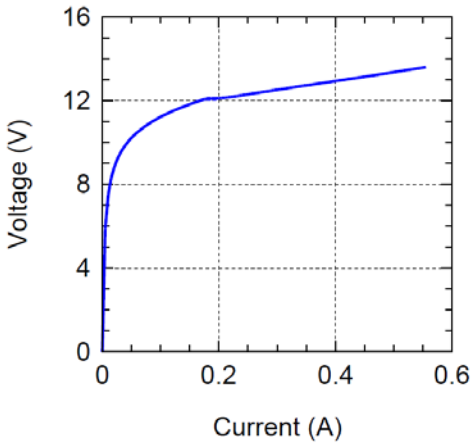

Figure 2. Emulated U-I Curve of Laser

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