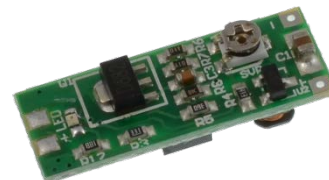




EU-40

- Laser diode driver
- For blue and green laser diodes
- ACC
- up to 200 mA
- 3 VDC



Description

EU-40 is a small and inexpensive driver board for continuous wave (CW) operation of blue and green laser diode. The **Automatic Current Control (ACC)** circuit allows for a laser diode current of up to 200 mA, adjustable by means of a potentiometer. **EU-40** utilizes an **up-converting current logic**, and can be driven off a **3 VDC supply voltage**. The laser diodes output power is independent from the drivers supply voltage.

Characteristics

Parameter	Symbol	Values		Unit
		Min.	Max.	
Supply Voltage	U_B	3.0	5.0	V
Laser Diode Current	I_{LD}		200	mA
Dimensions (H x W x D)		24 x 9 x 5		mm
Operating Temperature	T_{CASE}	0	50	°C
Storage Temperature	T_{STG}	- 20	70	°C



PIN Configuration

EU-40

FRONT



REAR

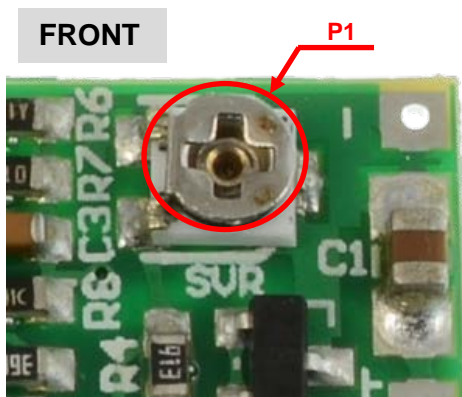


PIN	Function
U_B	Supply Voltage +
GND	Ground
LD+	Laser Diode Anode
LD-	Laser Diode Cathode



Operation Note

EU-40



Potentiometer	Function
P 1	laser diode current adjustment

Turn left (counter clock wise) = increase current

Turn right (clock wise) = decrease current

Caution: P1 is a SMD type trim potentiometer, do not overturn its end points