

Compact LD Driver (QBB1005)

This product can control the current drive and temperature of 14-pin butterfly package LD modules with only the main unit. The substrate is equipped with an LCD monitor, an LD ON/OFF button and a rotary encoder for each parameter setting. A USB port, which can externally control PC, is also included on the substrate.

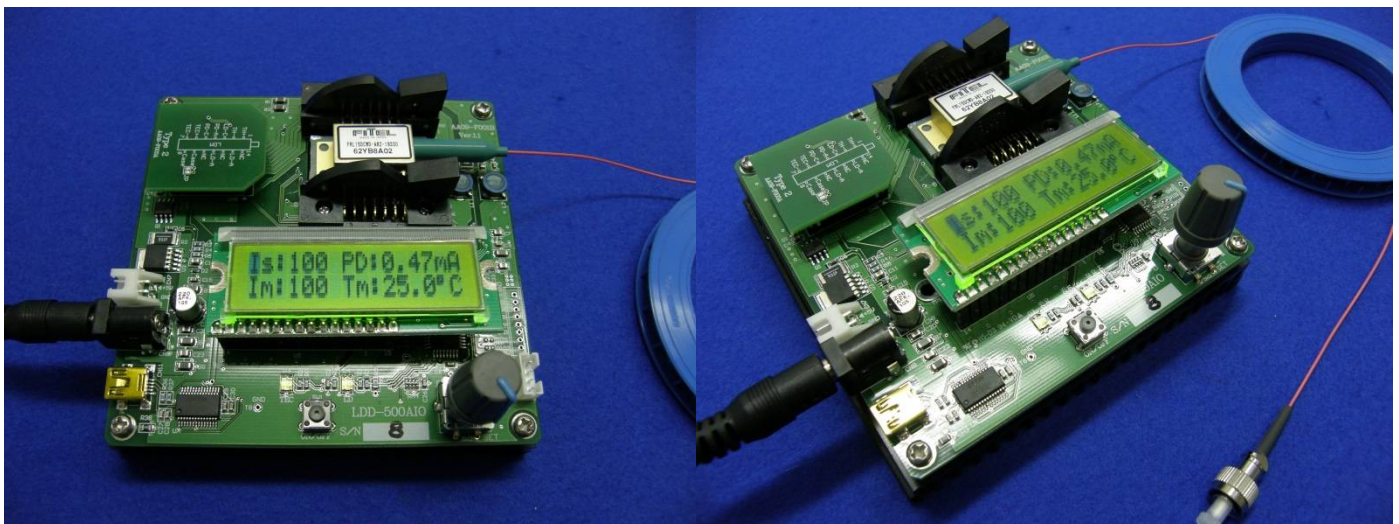
In addition, this product is compatible with most manufacturers' LD modules by exchanging the attached slave boards.

Capability: LD Current: 0-500 mA (Setting Resolution: 1mA/Measurement Resolution: 0.1 mA), TEC Current: 0 to ± 1.5 A (Measurement Resolution: 1 mA), Temperature: 15-35 deg C (Setting Resolution: 0.1 deg C/Measurement Resolution: 0.001 deg C)

Furthermore, this product has other capabilities, such as LD/TEC current limit settings, PID gain, integration coefficient settings and an alarm function.

Features

- 14-pin butterfly package LD module compatible drivers and temperature controller
- Compatible with most manufacturer's LD modules, small-sized, low-cost, all-in-one and compact
- Compact (external dimensions: 100 mm x 100 mm)
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* LD modules are not included with this product.

Specifications

Model		QBB1005
Power Source	Voltage	+5 V \pm 5%
	Current	2A max.
Environment	Temperature	15-35 deg C
	Humidity	No condensation
LD	Module Shape	14-pin Butterfly
	Drive System	ACC
	Connection Type	Floating, Cathode GND
	Current Setting	0-500 mA
	Setting Resolution	1 mA
	Display / Measurement Resolution	1 mA / 0.1 mA
	Limiter Setting	10-500 mA
	Setting Resolution	10 mA
	Voltage	0-3 V
	Display / Measurement Resolution	0.01 V / 0.001 V
TEC	Drive System	PWM
	Current Setting	100-1500 mA
	Setting Resolution	100 mA
	Drive Current	0 to \pm 1.5 A
	Measurement Resolution	1 mA
	Voltage Display / Measurement Resolution	0.01 V / 0.001 V
Temperature	Setting Range	15-35 deg C
	Setting Resolution	0.1 deg C
	Monitor Range	10-40 deg C
	Display / Measurement Resolution	0.1 deg C / 0.001 deg C
Setting Method	Item Selection	Press the Rotary Encoder
		LD Current Settings / LD Current Monitor / LD Voltage Monitor / Temperature Settings / Temperature Monitor / TEC Current and Voltage Monitor
	Value Setting	Rotate the Rotary Encoder
	ON / OFF	Press LD-SW
Display	LCD	2-Line x 16-Character Back Light
	LD, TEC Status	LED: Green for "Drive" and flashing red for "Alarm"
Communication	Interface	USB, Virtual COM, 19200 bps
	Connector	USB-miniB