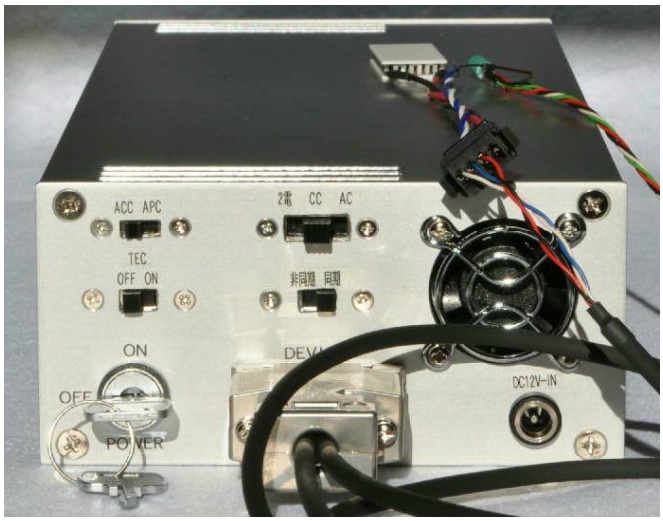
LD & Temperature control Driver Unit

Easy to hundle, Reasonable price, Fine performance, Convenient functions,

model: TOS304-700



1． maximum current 700mA（199mA max. is also provided.）

700mA current may be enough for low power LD such as 100mW to 200mW.
199mA type LCD shows one decimal place for more accurate controle.

2． Temperature control is altenative by TEC ON, OFF switch

You can select Temperature control or not. You may not need Tem.Cont. for an easy experiment at low power LD. You can use this LD driver with Tem. Cont. function OFF.

3． LD Switch Indipendant or Dependent from temperature setting degree

LD works at only the condition of Tem.Setting degree or LD can work independantly from the tem.control. You can select it.

4． CC type（Cathode Common）， AC type（Anode Common）, LowPowerBlue

Three types of LD by pin position are selected by a switch without change the cord.
In case of other type of LD such as high power blue LD, the cord is optional exclusive.

5． ACC、 APC choice

ACC（Auto Current Control）、APC （Auto Power Control） are selective by a switch.

6． Power Supply ： 12V 3.8A or 4.0A AC Adapter

One AC adapter is attached in a package. It can avoid the heating of power supplying by using AC adapter.

7． A cable attached that is assembled with LD plug, thermister, peltier device

23mm square peltier device is standard. Other size of peltier device is possible by option. Then, You can use this driver without any special addition for a standard LD. If you use a special pin LD, pleae inform of it to us. We can prepare a cable for your specieal need.

8． TTL function is option. 1 kHz is maximum in this model.

Optical Research **O R S A** System Architect

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TOS304-200 application example photo

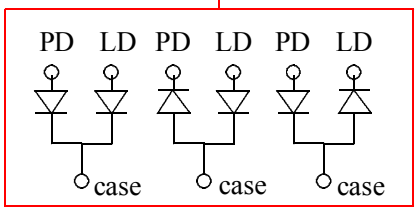
with Yellow Laser Unit 2mW

with AOS303-658 Red Laser 10mW

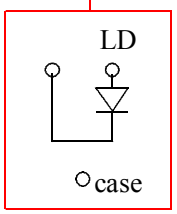
TOS304-700 application example photo

with Orange Laser 20mW output at 677mA, maximum upto 700mA.

So easy to connect with a Laser Unit



Standard cable corresponds to 3 types of LD.



Exclusive cable

This Laser Driver has been originaly developed for our own use, because we could not found any appropriate driver for the cost and performance. We are using Laser Drivers neary 30 years for our own Laser assembling. Then this driver has been developped for a laser unit and a laser diode hundling usage especialy for laser or optics engineers who are not familiar to electroics. It's so easy to operate, however, the performance is not compromised.

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