

TC-LDDR Series Desktop Laser Diode Driver

Product Description

Laser diode driver is mainly used for stable drive and drive adjustment of semiconductor laser, inspection, sorting, aging test, performance evaluation, quality control and other links in the process of semiconductor laser product development or production. With stable output current, precision temperature control, comprehensive safety protection, easy and intuitive operation, low cost and other characteristics.



Features

- Output high stable drive current
- Precision temperature control
- Safe start and multiple protection
- Easy to use value

Applications

- Semiconductor laser drive for laboratory use
- Automatic inspection and data logging for scale up production

Ordering Information

TC	LDDR	X
	Laser diode driver	1---0-200mA 2---0-500mA 3---0-1000mA

For special needs, please contact our sales staff.



Performance Parameter

Category	Parameter	Indicators
Number of Channels	1-16 channels available	
LD Drive Current	Output current range	0-200mA/500mA/1000mA(Available)
	Output current temperature coefficient	$\leq 80\text{ppm}/^{\circ}\text{C}$
	Output current time stability (1 hour)	$\leq 100\text{ppm}$
	Output current time stability (24 hours)	$\leq 400\text{ppm}$
TEC Temperature Control	TEC Current	$\pm 1.5\text{A}$ (Max)
	Temperature coefficient of temperature control	$\leq 0.001^{\circ}\text{C}/^{\circ}\text{C}$
	Stability of temperature control time (1 hour)	$\leq 0.002^{\circ}\text{C}$
	Temperature control time stability (24 hours)	$\leq 0.006^{\circ}\text{C}$
General Parameters	Laser protection	Slow start function, current limit function, over-temperature protection function, current surge suppression function, real-time abnormality detection and processing
	Supply voltage	200V ~ 240V AC
	Output Interface	DB-15 Sockets
	Size (mm)	150x70x240(L x H x D)
	Operating temperature	5 ~ 40 $^{\circ}\text{C}$
	Working humidity	R.H. 15 ~ 80%
	Storage temperature	-15 ~ 45 $^{\circ}\text{C}$

