


<h2 style="margin: 0;">LDD-14pin-2A-SFF</h2> <h3 style="margin: 0;">All-in-one Laser Diode Driver</h3>	
	<p>Compact unit for driving/controlling Laser Diodes, SLDs and SOAs:</p> <ul style="list-style-type: none"> • Self-contained enclosure combining and incorporating: <ul style="list-style-type: none"> ○ Device current driver (2A) ○ Device TEC driver (4A) ○ 14-pin butterfly device mount ○ Control firmware • No laser-controller and/or TEC cables required • USB interface and control application • Exceptional convenience, design and engineering • Compact Size 85mm x 100mm x 31mm
Specification	DATE: 10 February 2023

User configurable via Software Control Application (GUI)

SPECIFICATIONS				
Parameters	Min.	Typ.	Max.	Units
INPUT				
Voltage	4.8	5	5.2	Vdc
Current	-	-	3.0	A
OUTPUT				
Current	-	-	2000	mA
Current Regulation Step	-	0.01	-	mA
Current Ripple	-	-	0.1	%
Current Stability	-	-	0.1	%
Current Set Accuracy	-	-	1	%
Compliance Voltage	1	-	3	V
TEC Current	-4	-	4	A
TEC Voltage	1	-	4	V
TEC Temperature Set	5	25	50	°C
TEC Temperature Step	-	0.01	-	°C
TEC Temperature Accuracy	-	-	0.1	%
TEMPERATURE				
Operating	10	-	50	°C
Storage	-20	-	70	°C
Humidity, Non-Condensing	-	-	95	%
CONNECTIONS				
Power	2-pin terminal block (282834-2 TE connectivity)			
Interface connectors	USB: Mini-USB, Type B (1734035-1 TE connectivity)			
	CAN, RS232, UART (282834-8 TE connectivity)			

LDD configuration (for reference only)

laser 1 configuration

laser 1 (ZIF precision driver) configuration

To be able to configure device CAN ID in the device parameters window please make sure, that your PC is connected directly to driver board via mini-USB cable, and "mini USB mode" is set in Settings tab.

Device reset is necessary after CAN ID change

CAN ID	1	1
Max current, mA	2000.00	2000,00
Min current, mA	0.00	0,00
Max power, mW	1000.0	1000,0
Min power, mW	0.0	0,0
Max temperature, °C	50.00	50,00
Min temperature, °C	15.00	15,00
Resistance at 25°C, Ohm	10000	10000
Thermistor beta	3750	3750
Max tec current, A	4.0	4,0
Monitor responsivity, uA/mW	4.75	4,75
coef. P	1.0000	1,0000
coef. I	0.0100	0,0100
coef. D	2.0000	2,0000

Close Write

NOTE: Innolume product specifications are subject to change without notice.