


LDD-14pin-1.5A All-in-one Laser Diode Driver	
	<p><b>Compact unit for driving/controlling Laser Diodes, SLDs and SOAs:</b></p> <ul style="list-style-type: none"> <li>• Self-contained enclosure combining and incorporating:                             <ul style="list-style-type: none"> <li>○ Device current driver (1.5A)</li> <li>○ Device TEC driver (1.5A)</li> <li>○ 14-pin butterfly (with only output port or with input/output ports) device mount</li> <li>○ Control electronics and firmware</li> </ul> </li> <li>• No laser-controller and/or TEC cables required</li> <li>• USB interface and control application</li> </ul>
<b>Specification</b>	DATE: 01 February 2023

SPECIFICATIONS					
Parameters	Symb.	Min.	Typ.	Max.	Unit
Control current range <sup>1</sup>	I	0.03		1.49	A
Risetime	$\tau$			100	$\mu$ s
Overshoot				2	%
Current limit <sup>1</sup>	I <sub>lim</sub>	0.01		1.50	A
Control temperature range <sup>1</sup>	T <sub>chip</sub>	5	25	55	°C
Maximum TEC current	I <sub>TEC</sub>			1.5	A
External power supply (not included)		3-5V (3.3V nominal), 3A			
Power consumption	P			10	W
Dimensions (WxDxH)		135 x 64 x 18			mm
Computer controlled operation	– via provided software control application (Windows/Linux)				
Built-in USB port	– required for initial configuration and computer controlled operation				

<sup>1</sup> User configurable via Software Control Application (GUI).