

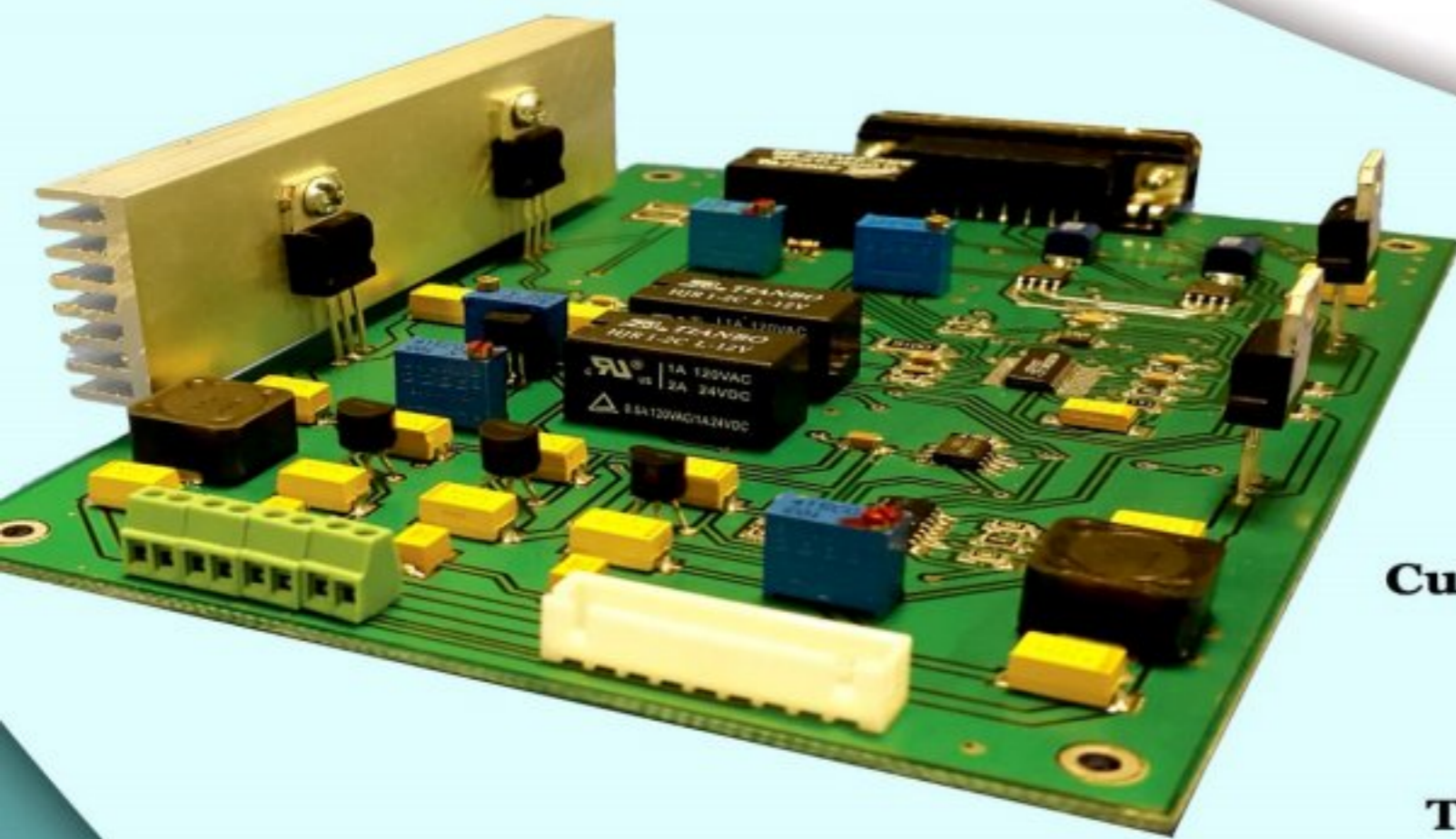


***Butterfly-laser Diode and TEC controller
AB-ITC-1500***

Butterfly-laser Diode and TEC controller

AB-ITC-1500 is a current and temperature controller for in 14-pin butterfly Laser diode which is one of the most popular single-mode fiber coupled pump with low noise, high output power and very narrow bandwidth. Since stability of the butterfly laser diodes is highly dependent on temperature and current, so controlling the temperature and current has become the major issue. This product provides accurate control for temperature and current of 14-pin butterfly Laser diode which is designed and implemented by the experts in the NOORA laser company.

Specifications	AB-ITC-1500
Laser controller/ Current Control	
Current control range	0 to ± 1A
Compliance voltage	>5V
Accuracy	%0.3
Compliance temperature	<100ppm/°C
Laser controller/Power control	
Setting ranges	0 to ≥1A
Accuracy	±3mA
Temperature Controller	
Control range of TEC current	-2 to +2 A
Compliance voltage	>4.5V
Maximum output power	8 w
Measurement resolution of TEC Current	5mA
Measurement resolution of TEC Voltage	5mV
Temperature stability	0.01 °C
Temperature Control sensor data	
Thermistor	40KΩ to 2.5KΩ



Features

Current and temperature control of laser diodes

Soft start controller

Temperature stability with accuracy of 0.01 °C

Laser diode current control up to 1500 mA

TEC current control up to ±2A

Very Low Noise and Drift

Applications

A precise current and temperature controller of 14-pin butterfly

Laser diode laser

Measure and display the laser diode output power

SLD driver

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