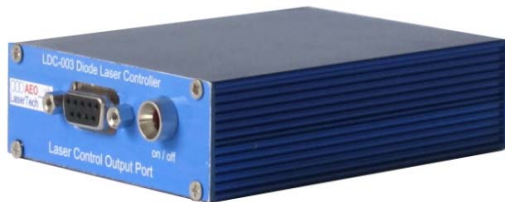


AEO LDC-003-3 Diode Laser Controller Module



Specifications

| Parameters | Range | Note |
|------------------------------|--|------|
| Laser work maximum current | 3000 mA | |
| Current noise and ripple | < 0.03% of full scale | |
| Current set-point Resolution | 0.05mA @200mA 0.5 mA @1500mA 1 mA @ 3000mA | |
| Analog modulation | < 1000mA/1000mV | |
| Compliance voltage | 5.5 V | |
| Temperature set range | 15°C~35°C @ < LD current 1000mA 20°C~35°C @ < LD current 1~3A | |
| Analog modulation frequency | < 100 kHz | |
| Temperature set resolution | ±0.1°C @ LD current <1A ±0.5°C @ LD current 1A~3A | |
| | | |
| | | |
| Parameters | Range | Note |

| | | |
|-------------------------|--|--|
| TEC cooler stability | 25°C ± 0.01°C LD current <1A 25°C ± 0.03°C LD current <1~3A | |
| DC Input | 12V/3A | |
| Power consumption | < 36 w | |
| Communication interface | Uart to RS-232 | |
| Communication protocols | ASCII code | |
| External trigger | 3.3V/TTL | |
| Reliability | | |
| Storage temperature | -10~70 °C | |
| Operating temperature | 0~50 °C | |
| Mechanical parameters | | |
| Dimension | 100 x 78 x 26 mm | |
| Weight | 0.12 KG | |