

# PilotOEM

Diode Laser Controller  
Low Noise Laser Current  
High Temperature Stability

Electronic Systems & Devices



## Product Features

- 500mA / 3000mA LD current source with forward voltage measurement
- Const current or const power mode
- 16 W / 32 W TEC control
- Various laser protection features
- External power stage
- RS232 remote interface
- Optional USB, Ethernet remote interface



## Specifications

<b>Laser Current Source</b>		<b>Temperature Control</b>	
<b>PC5000EM Drive Current Output</b>		<b>TEC Output</b>	
Output Current Range	0-500mA	Output Type	Constant current source bridge
Setpoint Resolution	0.1mA	Compliance Voltage	8V
Setpoint Accuracy	±0.1%	Maximum Output Current	-2A to 2A / -4A to 4A
Compliance Voltage	0-7V adjustable		
		<b>Sensor</b>	
<b>PC1800EM Drive Current Output</b>		Temperature Sensor	Thermistor (PT1000)
Output Current Range	0-1800mA		IC Temp Sensor AD590
Setpoint Resolution	0.1mA	Temperature Control Range	-5°C to 30°C
Setpoint Accuracy	±0.1%	Setpoint Resolution	0.1°C
Compliance Voltage	0-7V adjustable		
		<b>Common Data</b>	
<b>Photodiode Feedback</b>		Dimension (WxHxD)	170 x 140 x 42 mm
Photodiode Current Range	2-2000uA	Line Voltage	110V .. 230V
Type	Diff. 100R Input	Line Frequency	47 .. 63Hz
		Operating Temperature	0°C .. 40°C

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