

1A CW Laser Diode Driver

BRM-6104

The BRM-6104 is a versatile laser driver controller featuring continuously tunable drive current (up to 1A max) and support for three operating modes:

- Continuous wave (CW)
- Analog input control
- Optical power control (APC)

It offers external I/O interface for a photodiode and NTC temperature sensor, ensuring precise monitoring and protection.

With high precision, ultra-low ripple, and flexible control, the BRM-6104 is ideal for applications such as:

- Low-power laser diode driving
- Constant optical power stabilization systems
- Industrial/material processing lasers
- Scientific research laser systems

This compact and reliable controller delivers stable performance for demanding laser applications.



Features

- 3 Operating Modes- CW / Analog/ APC
- Dual Control Modes-Current Control & Power Control
- Flexible Input Options- Internal Control & External Control
- I/O Interfaces- Compatible with Photodiode Input/ NTC Temperature Sensor

Applications

- Low-Power Laser Drive Control
 - Ideal for driving low-power laser diodes (1A max current)
 - Enables precision current control for scientific/research lasers
- Constant Optical Power Control
 - Closed-loop feedback system via photodiode interface
 - Maintains stable output power under varying conditions
 - Essential for medical lasers and metrology applications

Specifications

Model	BRM-6104
Output Current	0~1A
Current Resolution	0.1mA
Output Voltage	0~15 V
Resolution	±2% or ±2mA
Operating Mode	Continuous Current, Analog Input, Optical Power Control
Sensor I/O Interface	1 channel NTC interface 1 channel PD interface
Photodiode Current	~4mA
Power Supply	110~220VAC
Dimensions	180 × 250 × 121 mm

Dimensions (mm)

