1.5A CW/Pulsed Laser Diode Driver

BRM-6101

The BRM-6101 is a versatile laser diode/LED driver controller featuring continuously tunable drive current (up to 1.5A max) and support for five operating modes:

- Continuous wave (CW)
- Pulsed mode
- Analog input control
- External trigger
- 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-6101 is ideal for applications such as:

- Semiconductor Optoelectronic characterization
  Research:
- Laser diode
- LED
- Quantum Cascade Laser Control
- Stabilize Optical Power
- Laboratory instrumentation
- Precision measurement setups

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

Features

- High resolution- Minimum 0.1mA
- 5 Operating Modes- CW/Pulse/Analog/Ext. Trigger/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

- Laser Diode Driver Control
- LED Driver Control
- Semiconductor Device Pulse Testing
- Quantum Cascade Laser Control
- Constant Optical Power Control

What's included

#	Part Description	Model	Qty.
1	1.5A CW/Pulsed Laser Diode Driver	BRM-6101	1
2	Power cable	BC-105075	1

Specifications

Model	BRM-6101
Output Current	0~1.5A
Current Resolution	0.1mA
Output Voltage	0~15 V
Resolution	±0.2% or ±1mA
Operating Mode	Continuous/Pulse/Analog Input/External Trigger/Optical Power Control
Pulse Frequency	0~10kHz
Sensor Interface	1 channel NTC interface 1 channel PD interface
Photodiode Current	~4mA
Power Supply	110~220VAC
Dimensions	180×250×121mm

Dimensions (mm)