

Ultra-low Noise Laser Driver

ONLD-600



Features

- Ultra-low current noise, high temperature stability
- Comprehensive protection mechanisms such as overcurrent, overvoltage, current soft start, and current soft stop
- Support graphical user interface (GUI) and serial communication control functions
- compact size for easy integration
- Excellent laser protection mechanisms and fault diagnostic functions

Description

The ONLD series low noise laser driver modules are specifically designed for narrow linewidth lasers, utilizing unique automatic current feedback control technology. They offer advantages such as low output current noise and excellent constant current characteristics, making them well suited for various companies, universities, research institutions. This product provides OEM services and can be customized according to user requirements.

Specification

Parameter	Units	ONLD-600
Output current range	mA	10~600
Current setting resolution	mA	0.01
RMS Noise		<500nArms (Filter mode)
Maximum Output voltage	V	3
Temperature resolution	℃	0.001
Temperature stability	℃	±0.001
TEC current	A	1.5
TEC voltage	V	±3
PD current	mA	0~2.5
Power supply	V	DC 5
Maximum power consumption	W	15
Operating temperature	℃	0 ~ 45
Storage temperature	℃	-40 ~ 70
Communication interface		USB
Dimensions	mm	30*80*80
weight	kg	0.3
3dB modulation bandwidth	MHz	10
Modulation gain	mA/V	L:0.8 M:8 H:80

Order Information

Part Number	Description
ONLD-600	Ultra-low Noise Laser Driver, current range 0~600mA, RMS Noise <500nArms

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