

Low-noise Laser Driver ONLD Series

The ONLD series of low-noise laser drivers are specifically designed for narrow-linewidth lasers. They utilize a unique automatic current feedback control technology and offer advantages such as low output current noise and excellent constant-current performance. This product is available for OEM services and can be customized to meet customer requirements.

Features

- Ultra-low current noise and high temperature control stability
- Full protection against overcurrent, overvoltage, slow current rise and fall
- With PC software and serial communication, compact size for easy integration



Parameters

Product Parameters		Unit	LL-ONLD-600
LD Current Range		mA	10-600
LD Current Resolution		uA	1
RMS	noise(10Hz-10MHz)		<780nArms(Modulation Mode)
	noise(10Hz-1MHz)		<500nArms(Filter Mode)
LD Maximum Voltage		V	3
Temperature Resolution		°C	0.001
Temperature Stability		°C	±0.001
TEC Current		A	1.5
TEC Voltage		V	±3
PD Current		mA	0-2.5
Power Supply Voltage		V	DC-5
Power Consumption		W	<15
Operating Temperature		°C	0~+45
Storage Temperature		°C	-40~+70
Communication Interface			USB
LCD Display			4.3 inches (optional)
Size	mm (HxWxL)		30*80*80
Weight	kg		0.3