

## DPSS 457nm Blue Low Noise Lasers



### Specifications:

<b>Model</b>	<b>SDL-457-LN-XXXT</b>	
<b>Output Power</b>	1-8000mW	
<b>Wavelength</b>	457nm	
<b>Operation Mode</b>	CW, Near TEM00	
<b>M2 factor</b>	<1.5	
<b>Coherent Length</b>	>1M	
<b>Beam Diameter at the aperture</b>	<3mm	
<b>Beam Divergence (1/e<sup>2</sup>, Full Angle)</b>	<1.5mrad	
<b>Power Stability after warm-up</b>	<1%, <3%, <5% (over 2/4/8 hours)	
<b>Point Stability after warm-up</b>	0.05mrad	
<b>Noise of amplitude</b>	<2% (RMS, 10Hz - 20MHz)	
<b>Dimension of laser head</b>	142 x 73 x 46mm	156 x 77 x 60mm
<b>Power Supply</b>	PS-300	PS-500
<b>Dimensions of power supply</b>	130 x 120 x 62mm	238 × 150 × 95mm
<b>Input Voltage</b>	85~250VAC, 50~60kHz	
<b>Operating Temperature</b>	10°C~35°C	
<b>Expected Operating Lifetime</b>	10000 hours	
<b>Warranty time</b>	1 year	