

## DPSS 457nm Deep Blue Laser



**Specifications:**

<b>Model</b>	<b>SDL-457-XXXXT</b>
<b>Output Power</b>	1200-2000mW
<b>Wavelength</b>	457±1nm
<b>Operation Mode</b>	CW, near TEM01
<b>Power stability after warm-up</b>	<1%, <3%, <5% (over 2/4/8 hours)
<b>Warm-up time</b>	<10 minutes
<b>M2 factor</b>	<2.0
<b>Beam Divergence (1/e<sup>2</sup>, Full Angle)</b>	< 2.0mrad
<b>Beam diameter at the aperture</b>	~4.0mm
<b>Beam height from base plate (mm)</b>	93.5mm
<b>Polarization ratio</b>	>100:1
<b>Point stability after warm-up</b>	<0.05mrad
<b>Noise of amplitude (rms, 1~20MHz)</b>	~30%
<b>Operating temperature</b>	10-35°C
<b>Dimensions of laser head</b>	333 × 140 × 125mm
<b>Power supply</b>	SDL-PS-800
<b>Dimensions of power supply</b>	300 x 162 x 134mm
<b>Modulation</b>	TTL Modulation >10KHz or Analog Modulation >2Khz
<b>Expect life time</b>	10000 hours
<b>Warranty time</b>	1 year