

# Narrow Linewidth 785nm 500mW Fiber Coupled Laser



## Specifications

<b>Model Number</b>	<b>NL-IR785-500-DB</b>
<b>Optical Specifications</b>	
Wavelength	785 nm
Center Wavelength Deviation	±0.5nm
Output Power	>450mW after fiber ( 0- Max. adjustable)
Spectral linewidth	<0.2nm
Spectral stability (RMS, over 2 hours)	<10pm
Power stability (over 2 hours) (rms)	<3 %
Operating Mode	CW
Polarization Ratio	/
Fiber <sup>(1)</sup>	100µm / 0.22NA
	FC/PC connector, 1 meter
Beam Divergence (Full Angle)	/
Noise of Amplitude (1Hz~20MHz)	<1%
Beam Height from Base Plate	/
Warm-up time	< 5 minutes
Working Temperature	10 ~ 35 ° C
Cooling Mode	TEC
Estimated Lifetime (MTTF)	10000 hours
TTL Modulation	0~10KHz
Warranty Time	1 year
<b>Mechanical Specifications</b>	
Dimension of Laser Head	141.4(L)x97(W)x49(H)mm
Dimension of Power Supply <sup>(2)</sup>	/
Dimensional Tolerances	+/- 2 mm

(1) Optical fiber pluggable

(2) 110V input and American standard plug