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**Laser Diode Part Number: 808LD-3-0-0**

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**contact@laserlabsource.com | 800-887-5065**

## 808 nm laser diode

35 W / 105 μm fiber

Reference: 808LD-3-0-0

SPECIFICATIONS	Unit	Min	Typ	Maximum
Optical parameters				
Output Power	W	35		
Center Wavelength	nm	803	808	813
Spectral Width (FWHM)	nm		3.5	
Threshold Current	A		0.6	0.8
Operating Current	A		6.5	7.0
Operation Voltage	V		13.5	
Conversion Efficiency	%		40	
95% power with NA	NA		0.18	
Wavelength shift w Temperature	nm/°C		0.3	
Slope Efficiency	W/A		6.5	
Storage Temperature	°C	-30		70
Case Operating Temperature	°C	15	25	35
Minimum Fiber Bend Radius	mm		37.5	
Fiber Buffer/tube Diameter	μm		250/900	
Fiber Clad Diameter	μm		125	
Fiber Core Diameter	μm		105	
Numerical Aperture	NA		0.22	
Soldering Temperature	°C			260
Soldering time	s			10
Fiber connector	Yes (SMA)			
ROHS Compliant	Yes			

Please solder the pins when the level of current is over 6A

Form factor:

