

808 nm laser diode

100 W / 105 μ m fiber

Reference: 808LD-5-0-0

SPECIFICATIONS	Unit	Min	Typ	Maximum
Optical parameters				
Output Power	W	100		
Center Wavelength	nm	805	808	811
Spectral Width (FWHM)	nm		4.0	7.0
Threshold Current	A		1.0	1.5
Operating Current	A		9.5	10.0
Operation Voltage	V		27.0	
Conversion Efficiency	%		40	
95% power with NA	NA		0.18	
Wavelength shift w Temperature	nm/ $^{\circ}$ C		0.3	
Slope Efficiency	W/A		13	
Storage Temperature	$^{\circ}$ C	-30		70
Case Operating Temperature	$^{\circ}$ C	15	25	55
Minimum Fiber Bend Radius	mm	75		
Fiber Buffer/tube Diameter	μ m		320/900	
Fiber Clad Diameter	μ m		220*	
Fiber Core Diameter	μ m		200*	
Numerical Aperture	NA		0.22	
Fiber length	M		1.5	
Soldering Temperature	$^{\circ}$ 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

- Possibility for a 105/125 μ m fiber – Contact us as the LIV characteristics above are different

Form factor:

