

## 808 nm laser diode

60 W / 105 μm fiber

Reference: 808LD-4-0-0

SPECIFICATIONS	Unit	Min	Typ	Maximum
Optical parameters				
Output Power	W	60		
Center Wavelength	nm	803	808	813
Spectral Width (FWHM)	nm		4.0	
Threshold Current	A		0.7	0.9
Operating Current	A		7.0	8.0
Operation Voltage	V		22.5	
Conversion Efficiency	%		40	
95% power with NA	NA		0.18	
Wavelength shift w Temperature	nm/°C		0.3	
Slope Efficiency	W/A		10	
Storage Temperature	°C	-30		70
Case Operating Temperature	°C	15	25	55
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	
Fiber length	M		1.5	
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:

