

785 nm laser diode

Model 4 : 6 W / 105 μ m fiber / SMA connector

Reference: 785LD-4-0-0

SPECIFICATIONS	Unit	Min	Typ	Maximum
Output Power	W	6		
Center Wavelength	nm	782	785	788
Spectral Width (FWHM)	nm		4.0	5.0
Threshold Current	A		0.5	
Operating Current	A		2.2	2.5
Operation Voltage	V		5.4	6.0
Conversion Efficiency	%		45	
Wavelength shift w Temperature	nm/°C		0.3	
Wavelength shift with current	nm/A		0.7	
Slope Efficiency	W/A		2.5	
Storage Temperature	°C	-30		70
Case Operating Temperature	°C	15	25	55
Minimum Fiber Bend Radius	mm	37.5		
Fiber Buffer/tube Diameter	μ m		900	
Fiber Clad Diameter	μ m		125	
Fiber Core Diameter	μ m		105	
Numerical Aperture	NA		0.22	
Soldering Temperature	°C			260
Soldering time	s			10
Dimensions	mm	49*34*13.25		
Mounting holes diameter/distance	mm	Ø3.6 / 22.4 & 11.2 *43.5		
Fiber connector	Yes (SMA905) – Other connectors available			
ROHS Compliant	Yes			

