

790 nm laser diode

8 W / 105 μ m fiber / SMA connector

Reference: 793LD-2-0-0

SPECIFICATIONS	Unit	Min	Typ	Maximum
Output Power	W	8		
Center Wavelength	nm	790	793	796
Spectral Width (FWHM)	nm		3.0	
Threshold Current	A		0.5	1.0
Operating Current	A		2.7	3.5
Operation Voltage	V		6.8	8
Conversion Efficiency	%		45	
Wavelength shift w Temperature	nm/°C		0.3	
Wavelength shift with current	nm/A		0.7	
Slope Efficiency	W/A		3.6	
Back reflection isolation stage	nm	1800		2100
Back reflection isolation	dB		30	
Storage Temperature	°C	-30		70
Case Operating Temperature	°C	15	25	45
Minimum Fiber Bend Radius	mm	30		
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	33*48*14		
Mounting holes diameter/distance	mm	Ø3.2 / 20 * 42		
Fiber connector		Yes (SMA905)		
ROHS Compliant		Yes		

