

793 nm laser diode

130 W / 105 μ m fiber

Reference: 790LD-6-0-0

SPECIFICATIONS	Unit	Min	Typ	Maximum
Output Power	W	125	130	
Center Wavelength	nm	790	793	796
Spectral Width (FWHM)	nm		4.0	6.0
Threshold Current	A		1.0	
Operating Current	A		5.5	6.0
Operation Voltage	V		55.0	57.0
Conversion Efficiency	%		40	
Wavelength shift w Temperature	nm/°C		0.35	
Wavelength shift w Current	nm/A		0.7	
Slope Efficiency	W/A		25.0	
Back reflection isolation stage	nm	1900		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	μm	900 (large 6 mm diameter with metal protection available on demand)		
Fiber Core Diameter	μm		105	
Fiber Clad Diameter	μm		125	
Numerical Aperture	NA		0.22	
Soldering Temperature	°C			260
Soldering time	s			10
Dimensions	mm	190*73*22		
Mounting holes (Diameter/distance)	mm	Ø3.5 / 10 units		
Fiber connector	Bare fiber			
ROHS Compliant	Yes			
Please solder the pins when the level of current is over 6A				

