

793 nm laser diode

50 W / 105 μ m fiber / NA=0.22

Reference: 793LD-4-0-0

SPECIFICATIONS	Unit	Min	Typ	Maximum
Output Power	W	50		
Center Wavelength	nm	790	793	796
Spectral Width (FWHM)	nm		3.0	5.0
Threshold Current	A		0.9	
Operating Current	A		4.8	6.0
Operation Voltage	V		22.0	24.0
Conversion Efficiency	%		48	
Wavelength shift w Temperature	nm/°C		0.3	
Wavelength shift w Current	nm/A		0.7	
Slope Efficiency	W/A		12.8	
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	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	tbc		
Mounting holes (Diameter/distance)	mm	tbc		
Fiber connector	Yes (SMA905)			
ROHS Compliant	Yes			