

## 793 nm laser diode

30 W / 105  $\mu\text{m}$  fiber / NA=0.22

Reference: 793LD-3-0-0

SPECIFICATIONS	Unit	Min	Typ	Maximum
Optical parameters				
Output Power	W	30		
Center Wavelength	nm	790	793	796
Spectral Width (FWHM)	nm		3	
Threshold Current	A		0.5	
Operating Current	A		2.5	3.0
Operation Voltage	V		26.3	27.0
Conversion Efficiency	%		46	
Wavelength shift w Temperature	nm/°C		0.3	
Wavelength shift w Current	nm/A		0.7	
Back reflection isolation stage	nm	1800		2100
Back reflection isolation (optional)	dB		40	
Storage Temperature	°C	-20		80
Case Operating Temperature	°C	15	25	55
Minimum Fiber Bend Radius	mm	37.5		
Fiber Buffer/tube Diameter	$\mu\text{m}$		900	
Fiber Clad Diameter	$\mu\text{m}$		125	
Fiber Core Diameter	$\mu\text{m}$		105	
Numerical Aperture	NA		0.22	
Soldering Temperature	°C			260
Soldering time	s			10
Dimensions	mm	85*58*20		
Mounting holes (diameter/distance)	mm	$\varnothing 4.2 / 76*48$		
Fiber connector		Yes (SMA905)		
ROHS Compliant		Yes		

