

830 nm laser diode

2W / 50 μ m fiber / FC-PC connector

Reference: 830LD-3-0-0

SPECIFICATIONS	Unit	Min	Typ	Maximum
Output Power	W	2		
Center Wavelength	nm	827	830	833
Spectral Width (FWHM)	nm		3.5	7.0
Threshold Current	A		0.25	
Operating Current	A		2.2	2.5
Operation Voltage	V		1.85	2.0
Conversion Efficiency	%		50	
Wavelength shift w Temperature	nm/°C		0.3	
Wavelength shift with current	nm/A		0.7	
Slope Efficiency	W/A		1.0	
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		50	
Numerical Aperture	NA		0.14	
Soldering Temperature	°C			260
Soldering time	s			10
Dimensions	mm	30.9*17*7.7		
Mounting holes diameter/distance	mm	Ø2.5 / 13 * 7.5		
Fiber connector		Yes (FC/PC)		
ROHS Compliant		Yes		

