

830 nm laser diode

Model 4 : 20 W / 105 μm fiber / SMA connector

Reference: 830LD-4-0-0

SPECIFICATIONS	Unit	Min	Typ	Maximum
Output Power	W	20		
Center Wavelength	nm	827	830	833
Spectral Width (FWHM)	nm		4.5	6.0
Threshold Current	A		0.5	0.8
Operating Current	A			2.5
Operation Voltage	V		22.0	24.0
Conversion Efficiency	%		45	
Wavelength shift w Temperature	nm/°C		0.3	
Slope Efficiency	W/A		10.0	
Storage Temperature	°C	-30	25	70
Case Operating Temperature	°C	15	25	55
Minimum Fiber Bend Radius	mm	30		
Fiber Buffer/tube Diameter	μm		900	
Fiber Clad Diameter	μm		125	
Fiber Core Diameter	μm		105	
Numerical Aperture	NA		0.22	
Soldering Temperature	°C			260
Soldering time	s			10
Dimensions	mm	123.5*50*22		
Mounting holes diameter/distance	mm	$\varnothing 3.5 / 27.3*56.35$		
Fiber connector		OPTION (SMA)		
ROHS Compliant		Yes		

