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**Laser Diode Part Number: 1470LD-5-0-0**

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**contact@laserlabsource.com | 800-887-5065**

## 1470 nm laser diode

28 W / Fiber : 105 μm-core / NA=0.22

Reference: 1470LD-5-0-0

SPECIFICATIONS	Unit	Min	Typ	Maximum
Output Power	W	25	28	30
Center Wavelength	nm	1460	1470	1480
Spectral Width (FWHM)	nm		20.0	
Threshold Current	A		0.3	
Operating Current	A		8	9.5
Operation Voltage	V		26	29
Conversion Efficiency	%		16	
Wavelength shift w Temperature	nm/°C		0.5	
Wavelength shift with current	nm/A		1-2	
Slope Efficiency	W/A		3.8	
Storage Temperature	°C	-30		70
Case Operating Temperature	°C	15	25	45
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	80*80*25		
Mounting holes diameter/distance	mm	Ø3.2 / 74.4 * 38		
Fiber connector	Yes (SMA905)			
ROHS Compliant	Yes			

Please solder the pins when the level of current is over 6A

