

## 1470 nm laser diode

30 W / Fiber : 105 μm-core / NA=0.22

Reference: 1470LD-4-0-0

SPECIFICATIONS	Unit	Min	Typ	Maximum
Output Power	W	30		
Center Wavelength	nm	1460	1470	1480
Spectral Width (FWHM)	nm		20.0	
Threshold Current	A		0.3	
Operating Current	A			9
Operation Voltage	V			25
Conversion Efficiency	%		16	
Wavelength shift w Temperature	nm/°C		0.3	
Wavelength shift with current	nm/A		1	
Slope Efficiency	W/A		3.8	
Back reflection isolation stage	nm	1020		1200
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	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*24.8		
Mounting holes diameter/distance	mm	Ø3.3 / 74.4 ; 38		
Fiber connector	Yes (SMA905)			
ROHS Compliant	Yes			

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

