

1550 nm laser diode

15 W / Fiber : 105 μ m-core / NA=0.22

Reference: 1550LD-7-0-0

SPECIFICATIONS	Unit	Min	Typ	Maximum
Output Power	W	15		
Center Wavelength	nm	1530	1550	1570
Spectral Width (FWHM)	nm		15.0	
Threshold Current	A		0.3	
Operating Current	A		10.0	12.0
Operation Voltage	V		14.0	16.5
Conversion Efficiency	%		16	
Wavelength shift w Temperature	nm/°C		0.5	
Wavelength shift with current	nm/A		1-2	
Slope Efficiency	W/A		1.8	
Storage Temperature	°C	-30		70
Case Operating Temperature	°C	15	25	45
Minimum Fiber Bend Radius	mm	50		
Fiber Buffer/tube Diameter	μ m		900	
Fiber Clad Diameter	μ m		125	
Fiber Core Diameter	μ m		105	
Numerical Aperture	NA		0.22	
Soldering Temperature	°C			260
Soldering time	s			10
Dimensions	mm	80*48*16		
Mounting holes diameter/distance	mm	Ø3.4 / 75* 25&40		
Fiber connector		Yes (SMA905)		
ROHS Compliant		Yes		
Please solder the pins when the level of current is over 6A				

