

915 nm laser diode

160 W / 105 µm fiber

Reference: 915LD-5-0-0

SPECIFICATIONS	Unit	Min	Typ	Maximum
Optical parameters				
Output Power	W	160		
Center Wavelength	nm	905	915	925
Spectral Width (FWHM)	nm		6.0	
Threshold Current	A		0.6	
Operating Current	A			15
Operation Voltage	V			29
Conversion Efficiency	%		44	
Wavelength shift w Temperature	nm/°C		0.35	
Wavelength shift w Current	nm/A		1	
Slope Efficiency	W/A		12	
Back reflection isolation stage	nm	1020		1200
Back reflection isolation (optional)	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				

