

## 915 nm laser diode

70 W / 105  $\mu$ m fiber

Reference: 915LD-4-0-0

SPECIFICATIONS	Unit	Min	Typ	Maximum
Optical parameters				
Output Power	W	70		
Center Wavelength	nm	905	915	925
Spectral Width (FWHM)	nm		6	
Threshold Current	A		0.9	
Operating Current	A		12	13.0
Operation Voltage	V		11.0	
Conversion Efficiency	%		48	
Wavelength shift w Temperature	nm/°C		0.3	
Wavelength shift w Current	nm/A		1	
Back reflection isolation stage	nm	1020		1200
Back reflection isolation (optional)	dB		30	
Storage Temperature	°C	-30		70
Case Operating Temperature	°C	15	25	55
Minimum Fiber Bend Radius	mm	37.5		
Fiber Buffer/tube Diameter	$\mu$ m		900	
Fiber Clad Diameter	$\mu$ m		125	
Fiber Core Diameter	$\mu$ m		105	
Numerical Aperture	NA		0.22	
Soldering Temperature	°C			260
Soldering time	s			10
Dimensions	mm	48*80*16		
Mounting holes (diameter/distance)	mm	Ø3.4 / 75;40		
Fiber connector	Yes (SMA905)			
ROHS Compliant	Yes			
Please solder the pins when the level of current is over 6A				

