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Laser Diode Part Number: 915LD-5-0-0

contact@laserlabsource.com | 800-887-5065

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				

