

940 nm laser diode 150 W / 105 μm fiber

Reference: 940LD-5-0-0

SPECIFICATIONS	Unit	Min	Typ	Maximum
Output Power	W	150		
Center Wavelength	nm	935	940	945
Spectral Width (FWHM)	nm		6.0	
Threshold Current	A		0.8	
Operating Current	A		13.5	14
Operation Voltage	V		22.5	24.0
Conversion Efficiency	%		50	
Wavelength shift w Temperature	nm/°C		0.3	
Wavelength shift w Current	nm/A		0.8	
Slope Efficiency	W/A		12.5	
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*25		
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

