

940 nm laser diode 30 W / 105 μm fiber

Reference: 940LD-3-0-0

SPECIFICATIONS	Unit	Min	Typ	Maximum
Output Power	W	30		
Center Wavelength	nm	935	940	945
Spectral Width (FWHM)	nm		6.0	
Threshold Current	A		0.85	1.0
Operating Current	A		11.5	13.0
Operation Voltage	V		5.0	6
Conversion Efficiency	%		50	
Wavelength shift w Temperature	nm/°C		0.3	
Wavelength shift with current	nm/A		0.7	
Slope Efficiency	W/A		2.8	
Back reflection isolation stage	nm	1020		1200
Back reflection isolation	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	25*43*11		
Mounting holes diameter/distance	mm	Ø3.2 / 20 * 38		
Fiber connector	Yes (SMA905)			
ROHS Compliant	Yes			

Please solder the pins when the level of current is over 6A

