

## 940 nm laser diode 70 W / 105 μm fiber

Reference: 940LD-4-0-0

SPECIFICATIONS	Unit	Min	Typ	Maximum
Optical parameters				
Output Power	W	70		
Center Wavelength	nm	935	940	945
Spectral Width (FWHM)	nm		6	
Threshold Current	A		0.8	
Operating Current	A		11.5	13.0
Operation Voltage	V		10.5	12.5
Conversion Efficiency	%		50	
Wavelength shift w Temperature	nm/°C		0.3	
Wavelength shift w Current	nm/A		0.7	
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	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	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				

