

940 nm laser diode

Model 2: 10 W / 105 µm fiber

Reference: 940LD-2-0-0

SPECIFICATIONS	Unit	Min	Typ	Maximum
Output Power	W	10		
Center Wavelength	nm	935	940	945
Spectral Width (FWHM)	nm		3	
Threshold Current	A		0.7	1.0
Operating Current	A		11.5	13.0
Operation Voltage	V		1.7	1.8
Conversion Efficiency	%		50	
Spot ratio (0.15/0.22)	%		85	
Wavelength shift w Temperature	nm/°C		0.3	
Wavelength shift w Current	nm/A		0.7	
Slope Efficiency	W/A		0.9	
Back reflection isolation stage	nm	1020		1200
Back reflection isolation	dB		30	
Storage Temperature	°C	-30		70
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	
Fiber Numerical Aperture	NA		0.22	
Soldering Temperature	°C			260
Soldering time	s			10
Dimensions	17*11.8*7.7			
Mounting holes diameter/distances	2.6 / 7.5 * 13			
Fiber connector	Yes (SMA 905)			
ROHS Compliant	Yes			
Please solder the pins when the level of current is over 6A				

Form factor:

