

940 nm laser diode 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		31*17*6.1		
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				

