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**Laser Diode Part Number: 980LD-4-0-0**

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**contact@laserlabsource.com | 800-887-5065**

## 980 nm laser diode 30 W- 105 $\mu$ m fiber – 0.22 NA

Reference: 980LD-4-0-0

Technology : Multi-emitter Multimode

SPECIFICATIONS	Unit	Min	Typ	Maximum
Output Power	W	30		
Center Wavelength	nm	973	976	979
Spectral Width (FWHM)	nm		6	
Threshold Current	A		0.9	
Operating Current	A		12	13
Operation Voltage	V		4.8	6.0
Wavelength shift w Temperature	nm/°C		0.3	
Wavelength shift w current	nm/A		1.0	
Slope Efficiency	W/A		2.7	
Feedback isolation	nm	1020		1200
	Isolation	30		
Storage case temperature	°C	-20 (abs min)		70 (abs max)
Operating case temperature	°C	15 (abs min)		35 (abs max)
Fiber bend radius	mm	50 (abs min)		
Fiber Buffer/tube Diameter	$\mu$ m		245/900	
Fiber Clad Diameter	$\mu$ m		125	
Fiber Core Diameter	$\mu$ m		105	
Numerical Aperture	NA		0.22	
Soldering Temperature	°C			260
Soldering time	s			10
Dimensions	mm	43*25*11		
Mounting holes Diam./Dist.	mm	Ø3.2 20*38		
Fiber connector	Yes (SMA905)			
Fiber bend radius	mm	50		

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

