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Laser Diode Part Number: 980LD-6-0-0

contact@laserlabsource.com | 800-887-5065

980 nm laser diode

150 W – 105 μm fiber – 0.22 NA

Reference: 980LD-6-0-0

Technology : Multi-emitter Multimode

SPECIFICATIONS	Unit	Min	Typ	Maximum
Output Power	W	150		
Center Wavelength	nm	973	976	979
Spectral Width (FWHM)	nm		6	
Threshold Current	A		0.9	
Operating Current	A		13.2	14.0
Operation Voltage	V		22.4	23.8
Wavelength shift w Temperature	nm/°C		0.3	
Wavelength shift w current	nm/A		1.0	
Slope Efficiency	W/A		13.0	
Feedback isolation	nm	1020		1200
	dB	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	μm		245/900	
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	80*80*25		
Mounting holes diam/dist	mm	Ø3.3 / 74.4*38		
Fiber connector		Yes (SMA905)		
Fiber bend radius	mm	50		

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

