

## 980 nm laser diode

Model 4: 30 W - 105 μm fiber – NA=0.22

Reference: 980LD-4-0-0

Technology : Single 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/W		1.0	
Feedback isolation	nm	1020		1200
	dB	30		
Slope Efficiency	W/A		2.7	
Fiber Buffer/tube Diameter	μm		245/900	
Fiber Clad Diameter	μm		125	
Fiber Core Diameter	μm		105	
Numerical Aperture	NA		0.22	
Storage case temperature	°C	-20 (abs min)		70 (abs max)
Operating case temperature	°C	15 (abs min)		35 (abs max)
Soldering Temperature	°C			260
Soldering time	s			10
Dimensions	mm	55*21.5*9.2		
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

Form factor:

