

## 980 nm laser diode 10 W- 105 $\mu$ m fiber – 0.15 NA

Reference: 980LD-3-0-0

Technology : Single emitter Multimode

SPECIFICATIONS	Unit	Min	Typ	Maximum
Output Power	W	10		
Center Wavelength	nm	973	976	979
Spectral Width (FWHM)	nm		3.5	7
Threshold Current	A		0.55	0.9
Operating Current	A		11.7	12.5
Operation Voltage	V		1.75	2.2
Wavelength shift w Temperature	nm/°C		0.3	
Wavelength shift w current	nm/A		1.0	
Feedback isolation	nm	1020		1200
	Isolation	30		
Slope Efficiency	W/A		0.9	
Fiber Buffer/tube Diameter	$\mu$ m		250	
Fiber Clad Diameter	$\mu$ m		125	
Fiber Core Diameter	$\mu$ m		105	
Numerical Aperture	NA		0.15	
Storage case temperature	°C	-30		70
Operating case temperature	°C	15		55
Soldering Temperature	°C			260
Soldering time	s			10
Fiber connector	Yes (SMA905)			
Fiber bend radius	mm	37.5		
Please solder the pins when the level of current is over 6A				

Form factor:

