

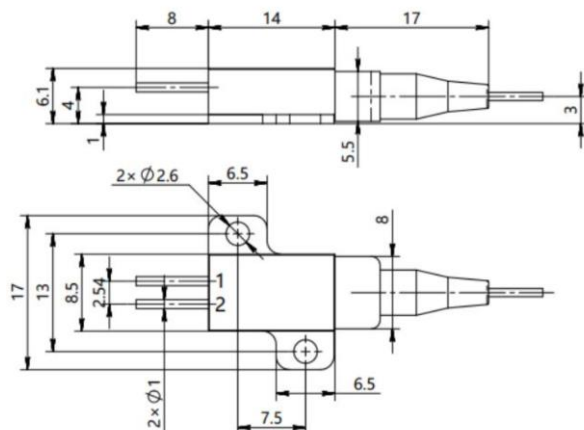
981 nm laser diode

Model 3 : 10 W - 105 µm core fiber

Reference: 981LD-3-0-0

SPECIFICATIONS	Unit	Min	Typ	Maximum
Output Power	W	9.0	-	-
Center Wavelength	nm	980.5	981	981.5
Spectral Width (FWHM)	nm	-	0.5	0.7
Threshold Current	A	-	0.9	-
Operating Current	A	-	12.0	13.0
Operating Voltage	V	-	1.6	1.8
Wavelength Shift w Temperature	nm/°C	-	0.02	-
Wavelength Shift w Current	nm/A	-	0.03	-
Feedback isolation	nm	1020	-	1200
	dB	-	30	-
Slope Efficiency	W/A	-	0.9	-
Fiber connector	SMA905			
Fiber Numerical Aperture	NA	-	0.22	-
Fiber Core Diameter	µm	-	105	-
Fiber Cladding Diameter	µm	-	125	-
Fiber tube Diameter	µm	-	900	-
Minimum Fiber Bend Radius	mm	50	-	-
Operating Temperature	°C	23	-	27
Storage Temperature	°C	-20	-	70
Dimensions	mm	14*17*6.1		
Mounting holes diameter	mm	Ø2.6		
Soldering Temperature	°C	-	-	260
Soldering time	s	-	-	10
Please solder the pins when the level of current is over 6A.				

Form factor:



PIN	Function
1	LD (+)
2	LD (-)

