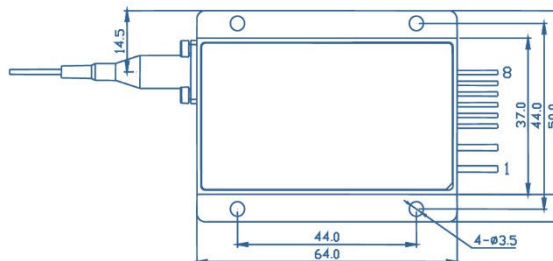
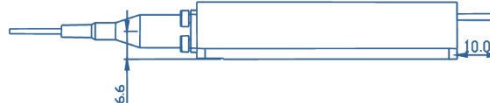
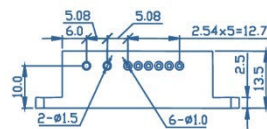


793 nm laser diode

30 W / 105 μm fiber / NA=0.22

Reference: 790LD-3-0-0

SPECIFICATIONS	Unit	Min	Typ	Maximum
Optical parameters				
Output Power	W	30		
Center Wavelength	nm	790	793	796
Spectral Width (FWHM)	nm		3	
Threshold Current	A		0.5	
Operating Current	A		6.0	7.0
Operation Voltage	V		11.3	13.0
Conversion Efficiency	%		46	
Wavelength shift w Temperature	nm/°C		0.3	
Back reflection isolation stage	nm	1800		2100
Back reflection isolation	dB		30	
Storage Temperature	°C	-20		80
Case Operating Temperature	°C	15	25	55
Minimum Fiber Bend Radius	mm	37.5		
Fiber Buffer/tube Diameter	μm		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	64*50*13.5		
Mounting holes (diameter/distance)	mm	$\varnothing 3.5$ / 44*50		
Fiber connector	Yes (SMA905)			
ROHS Compliant	Yes			



Pin	Pin-Out	Assignment	Function
1		LD (+)	
2		LD (-)	
3		-	
4		-	
5		-	
6		-	
7		-	
8		-	