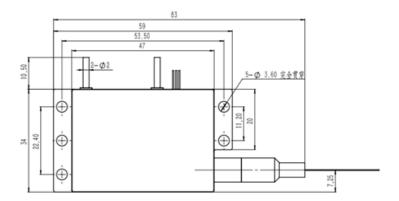


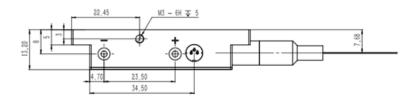
30W 915/975nm Multimode Diode Laser with red aiming beam



Dimensions Diagram

Unit: mm





Instruction for Use:

- Avoid exposure of the eyes or skin to direct or scattered radiation;
- ESD protection must be adopted during transportation, storage and operation. Short-circuit protection between pins is required during transportation and storage.
- For lasers with an operating current above 6A, please connect the leads using soldering. The soldering point should be as close as possible to the root of pin, with a temperature below 260°C, and a soldering duration less than 10 seconds;
- · Drive constant current power supply by laser and avoid surge while working;
- · Operate under the rated current and rated power;
- Good heat dissipation must be ensured when the laser device is operating;
- Operating temperature: 15°C to 55°C;
- Storage temperature: -30°C to + 70°C.





Specification

Parameter	Symbol	Minimum	Typical	Maximum	Unit
Laser Data					
Output Power(CW)	Ро	30	-	-	W
Centre Wavelength	λς	905 970	915 975	925 980	nm
Spectral Width (FWHM)	Δλ	-	4.5	6.0	nm
Threshold Current	Ith	-	1.5	2.0	Α
Operating Current	lop	-	-	13.0	Α
Operating Voltage	Vop	-	5.0	6.0	V
Convention Efficiency	η	-	50	-	%
Slop Efficiency	SE	-	2.5	-	W/A
Operating Case Temperature	Тс	15	25	55	°C
Storage Temperature	Ts	-30	25	70	°C
Wavelength shift vs. Temperature	Δλ / ΔΤ	-	0.35	-	nm/°C
Fiber Data					
Core Diameter	Dc	103	105	108	nm
Numeric Aperture	NA	0.20	0.22	0.24	-
Cladding Diameter	Dcl	-	125	-	nm
Buffer Diameter	Db		250		nm
Fiber Length	Lf	0.9	1.5	-	m
Fiber Tube Diameter	Dt	-	0.9	-	mm
Connector		-	Bare end	-	-
Red Aiming beam					
Output Power	Pa	2	-	-	mW
Wavelength	λа	-	638	-	nm
Voltage	Va	-	2.5	2.8	V
Current	la	-	0.2	0.25	Α
Others					
Lead soldering temperature, 10 s max	Tls	-	-	260	°C
Fiber bend radius		37.5	-	-	mm

^{*1.} All performance data tested at a heat sink temperature of 25° C, with the contact resistance between the case and the heat sink being less than 1 cm² K/W.



Ordering Information

For product inquiries and orders, please contact us at info@lasepro.com.

P/N	Wavelength	Power	NA	Feedback Protection	Protection Tube	Connector
LPMF9153001	915+/-10nm	30W	0.22NA	Yes	0.9mm(Diameter)*	No
LPMF9753001	975+/-5nm	30W	0.22NA	Yes	0.9mm(Diameter) *	No

^{*} It is available with 2.0mm protection tube.