

Single Mode Fiber or Polarization Maintained Fiber Output 445nm Laser Series (OELS445nm)

Absolute Maximum Rating

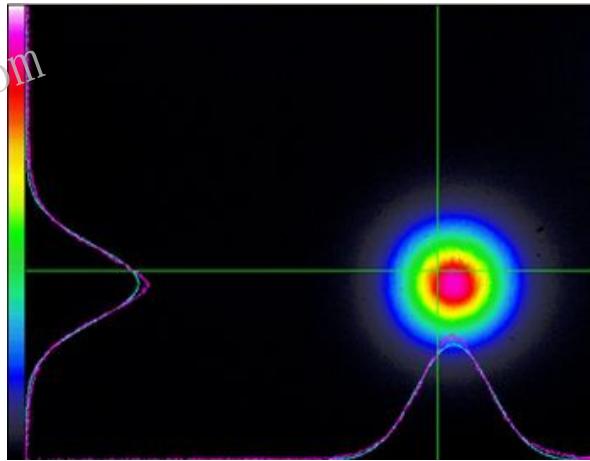
Features

- SM /PM Fiber Output
- High Beam Quality
- TEM₀₀

Parameter	Symbol	Requirement
Output Power (CW)	P _o	1-30 mW
Operating temperature ⁽¹⁾	Topr	-0°C--45°C
Storage Temperature	Tstg	-40°C--85°C

Note: (1): Case Temperature

Typical Laser Beam Profiler



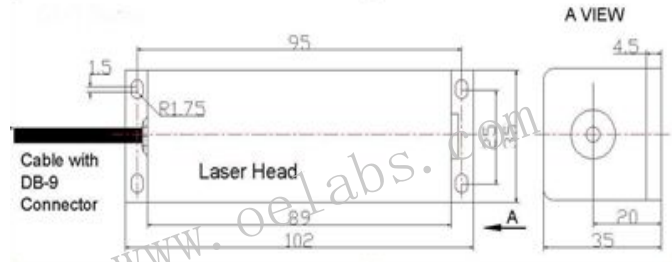
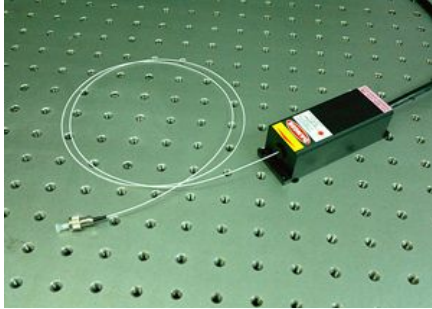
Optical Performance and Characters

Parameter	Condition	Symbol	Min	Typ	Max	Unit
Output Power(CW)	@P _o	P _o	-	30	-	mw
Power stability	2hrs	P _s	-	-	3	%
Central Wavelength	@P _o	λ _c	-	445	-	nm
Spectral Line Width	@P _o	FWHM	-	2	-	nm
Fiber Cord diameter	-	Single Mode Fiber or Polarization Maintained Fiber				
Fiber Length	-	-	-	100	-	cm
Fiber Connector	-	-	FC/ST/SMA905			cm
Warm up time	@P _o	T _w	-	-	5	min
Noise	RMS(10Hz-100MHz)	N	-	1	-	%
Expected Life Time ⁽²⁾	@P _o	MTBF	-	10000	-	Hrs

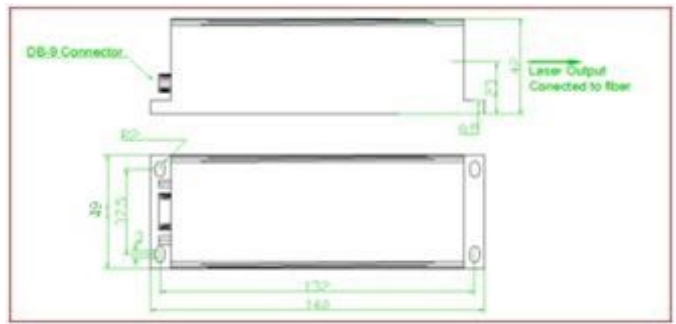
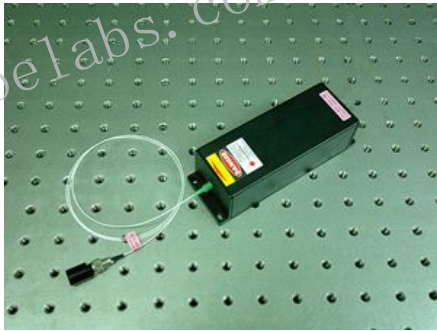
Note: (2): laser diode

Package Dimensions

T-Type: with Temperature Stabilized, Laser Driver Separated, 35x35x102mm Package



T7-Type: with Temperature Stabilized, Laser Driver Included, 49x42x140mm Package



F-Type, Laser and driver separated, Laser Head no TEC, Phi20x60mm Package

