

## Multi-Mode Fiber Coupling 445nm Laser Series (OELSMM445)

### Absolute Maximum Rating

#### Features

- Multi-Mode Fiber Output
- Power stability: <3%

Parameter	Symbol	Requirement
Output Power (CW)	P <sub>o</sub>	1-800 mW
Operating temperature <sup>(1)</sup>	T <sub>opr</sub>	-0°C--45°C
Storage Temperature	T <sub>stg</sub>	-40°C--85°C

**Note:** (1): Case Temperature



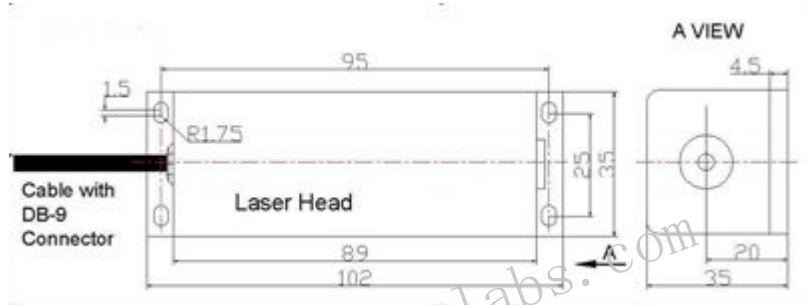
### Optical Performance and Characters

Parameter	Condition	Symbol	Min	Typ	Max	Unit
Output Power (CW)	@P <sub>o</sub>	P <sub>o</sub>	-	800	-	mw
Power stability	2hrs	P <sub>s</sub>	-	-	3	%
Central Wavelength	@P <sub>o</sub>	λ <sub>c</sub>	-	445	-	nm
Spectral Line Width	@P <sub>o</sub>	FWHM	-	2	-	nm
Fiber Cord diameter	-	200um/NA=0.22 (fiber specification is optional)				
Fiber Length Length	-	-	-	100	-	cm
Fiber Connector	-	-	FC/ST/SMA905			-
Warm up time	@P <sub>o</sub>	T <sub>w</sub>	-	-	5	min
Noise	RMS(10Hz-100MHz)	N	-	1	-	%
Expected Life Time <sup>(2)</sup>	@P <sub>o</sub>	MTBF	-	10000	-	Hrs

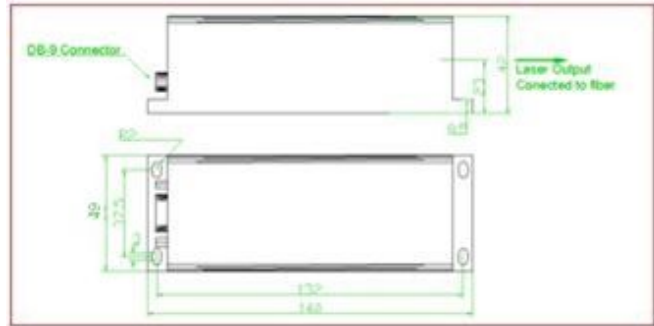
**Note:** (2): laser diode

**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**

