

Single Mode Fiber or Polarization Maintained Fiber Output 780nm Laser Series (OELS780)

Features

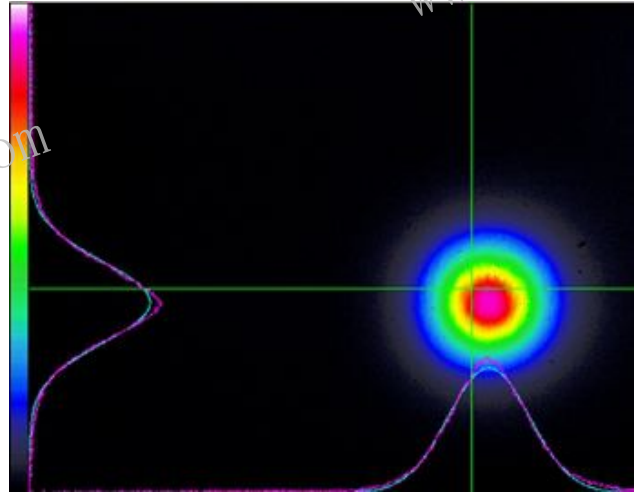
- SM/PM Fiber Output
- High Beam Quality
- TEM00

Absolute Maximum Rating

Parameter	Symbol	Requirement
Output Power (CW)	Po	1-50 mW
Operating temperature ⁽¹⁾	Topr	-0°C--45°C
Storage Temperature	Tstg	-40°C--85°C

Note: (1): Case Temperature

Typical Laser Beam Profiler



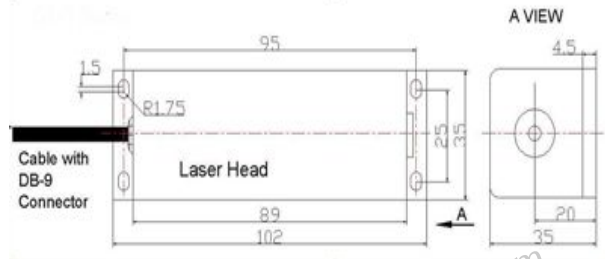
Optical Performance and Characters

Parameter	Condition	Symbol	Min	Typ	Max	Units
Output Power(CW)	@P0	P0	-	70	-	mw
Power stability	2hrs	Ps	-	-	3	%
Central Wavelength	@P0	λ_c	-	780	-	nm
Spectral Line Width	@P0	FWHM	-	2	-	nm
Beam diameter	1/e2, Full angle	D	-	1.5	-	nm
Beam divergence	1/e2, Full angle	Div	-	1	-	mrad
Pointing stability	25°C	-	-	-	0.05	mrad
Warm up time	@P0	Tw	-	-	5	min
Niose	RMS(10Hz-100Hz)	N	-	1	-	%
Expected Life Time ⁽²⁾	@P0	MTBF	-	10000	-	Hrs

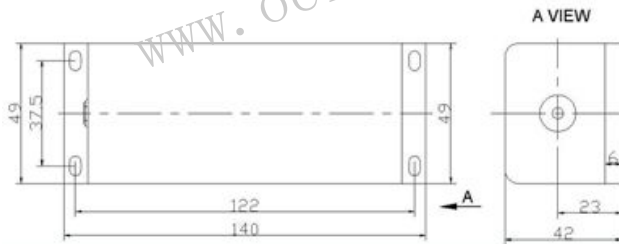
Note: (2): laser diode

Package Dimensions

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



T2-Type: with Temperature Stabilized, Laser Driver Separated, 49x42x140mm Package



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

