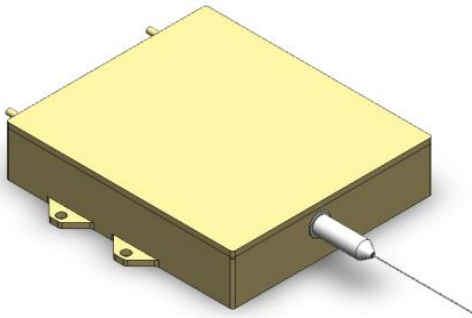


Uncooled Multi-Mode Pump Laser Module

Data Sheet

CS0915P120A2



Features

- Stability over high output power **120W**
- Precision alignment of multiple optics
- Isolated feedback protection
- 105/125 μm fiber diameter
- 0.22 NA

Electro-Optical Performance

Parameter	Symbol	120W			Unit
		Min.	Typ.	Max.	
Recommended Case Temperature	T_c	15	25	35	$^{\circ}\text{C}$
Threshold Current	I_{th}	-	0.7	-	A
Optical Power	P_{op}	-	120	-	W
Conversion efficiency	η	-	48	-	%
Center Wavelength (25 $^{\circ}\text{C}$, Pop)	λ_n	905	915	925	nm
Spectral Width (FWHM)	$\lambda(\text{FWHM})$	-	4	-	nm
Operating Current (25 $^{\circ}\text{C}$, Pop)	I_{op}	-	-	13	A
Forward Voltage	V_f	-	-	25	V
Wavelength Shift vs. Temperature	$\Delta\lambda/T$	-	0.32	-	nm/K
Back reflection isolation 1060-1100nm		30			dB

Absolute Minimum/Maximum Ratings

Parameter	Symbol	120W		Unit
		Min.	Max.	
Reverse Voltage	V_{rvs}	-	35	V
Storage Temperature	T_{stg}	-20	70	$^{\circ}\text{C}$
Lead Soldering Temperature, 10sec(max)	T_{is}	-	260	$^{\circ}\text{C}$
Electrostatic Discharge (ESD)	V_{esd}	-	500	V
Fiber Bending Radius (Long term)	-	30	-	mm

Fiber Pigtail Information

Parameter	Symbol	Min	Typ	Max	Unit
Fiber Core Diameter	d_c	-	105	-	μm
Fiber NA	NA	0.2	0.22	0.24	
Fiber Cladding Diameter	d_{cl}	-	125	-	μm
Buffer Diameter	d_b	230	245	260	μm
Fiber Length	l_f	0.9	1.0	-	m

Ordering Information

CS0915P120A1 120W 915nm Multi-Mode Pump Laser Module With 0.15NA Fiber
 CS0915P120A2 120W 915nm Multi-Mode Pump Laser Module With 0.22NA Fiber



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Uncooled Multi-Mode Pump Laser Module

CS0915P120A2

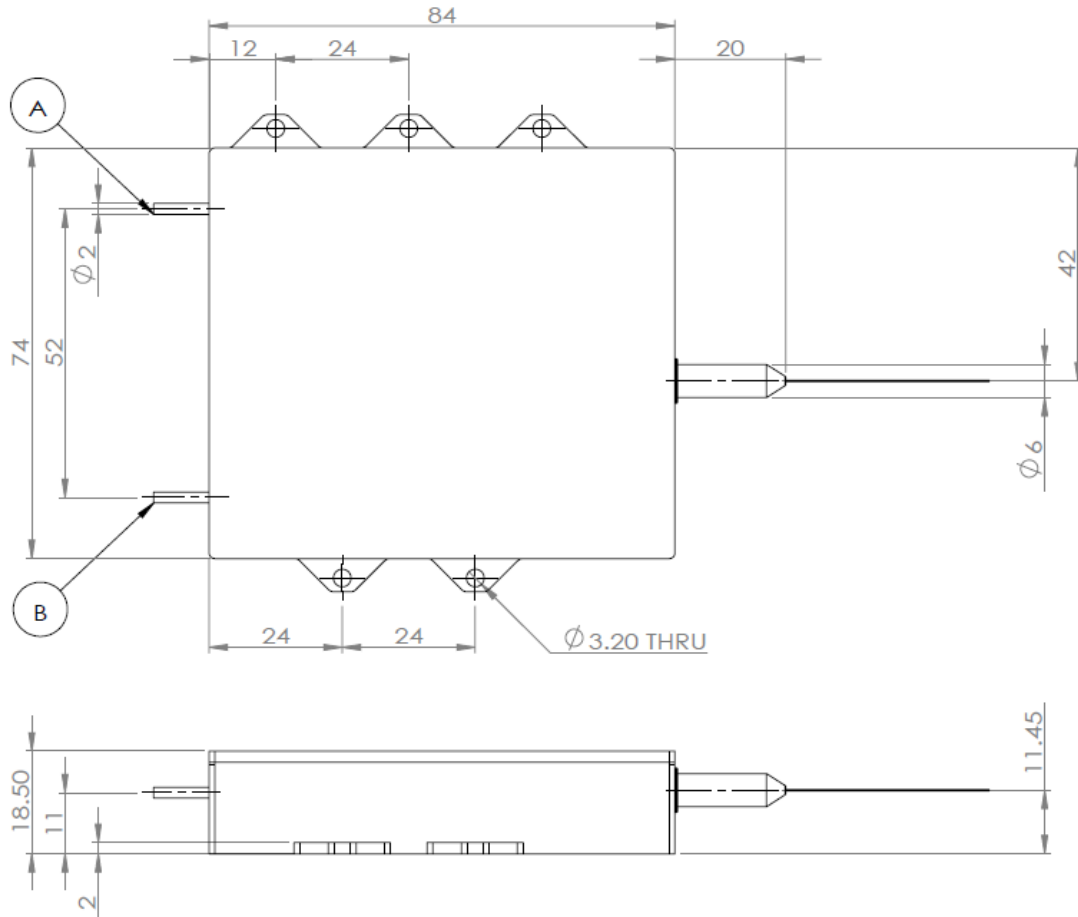
Data Sheet

Dimension

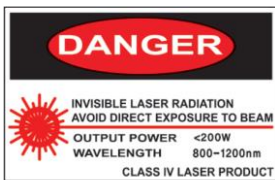
(specification in mm unless otherwise noted.)

Pinout

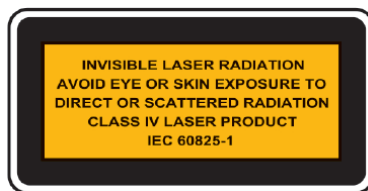
Pin	Description
A	Laser cathode (-)
B	Laser anode (+)



User Safety



Complies with 21 CFR1040.10



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