



Conduction Cooled Laser Diode Package

CS-Mount $\lambda 876-890\text{nm}$

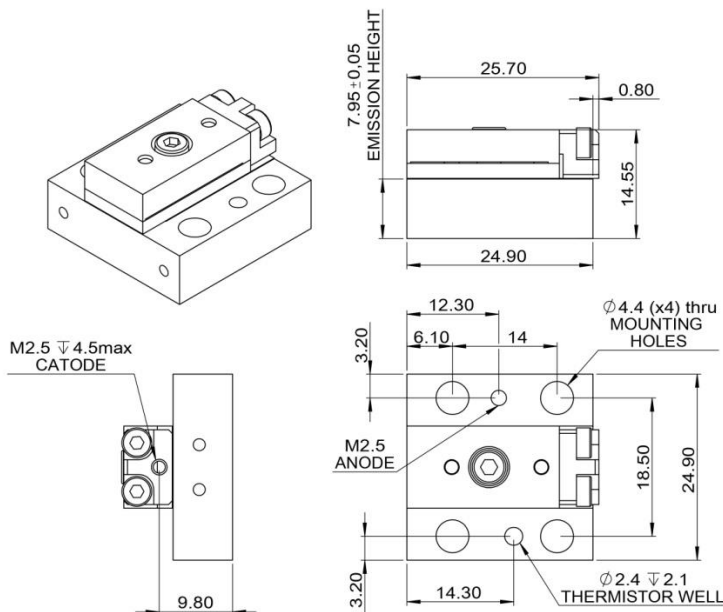
Features:

- Improved cooling efficiency
- No "smile" effect
- Bars on demand
- Central wavelength on demand

Suitable for:

- Hair Removal
- Surgical Cardiology
- Ophthalmology
- Interstitial Laser induced Thermotherapy (Cancer)
- Odontology
- Material processing
- Printing

CS-Mount $\lambda 876-890\text{nm}$ | 1 bar package



CS-MOUNT / 876 - 890nm

Product specification are subject to change without notice.
For complete details, please contact your local MONOCROM sales representative.

UNE EN ISO 9001:2015

MONOCROM S.L.

C/Vilanoveta 6
08800 Vilanova i la Geltrú (Barcelona)
Spain
T. +34 938 149 450
F. +34 938 143 767
E. sales@monocrom.com
www.monocrom.com

CS-Mount λ 876-890nm | TECH Specifications

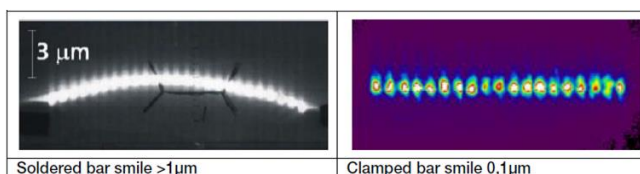
P_{peak} (W)	Fill Factor (%)	# emitters	Emitter size (μ m)	Emitter pitch (μ m)	I_{op} (A)	I_{in} (A)	η (W/A)	e-o eff (%)	SA div* ($^{\circ}$)	FA div* ($^{\circ}$)	Optics options
20	40,0%	46	80	200	25	8	1,15	47	7	38	FAC/SAC/BTS
40	54,1%	50	100	185	47	12	1,15	51	7	38	FAC
50	67,7%	69	90	133	54	12	1,2	50	10	40	FAC
60	27,0%	19	135	500	59	10	1,3	60	7	27	FAC/SAC/BTS
100	50,0%	47	100	200	102	19	1,2	60	5	28	FAC/SAC/BTS
100	83,3%	52	150	180	95	15	1,25	58	7	38	FAC
100	54,8%	25	200	365	112	16	1,05	50	10	40	FAC
200	83,3%	52	150	180	175	15	1,25	57	7	38	FAC
500	76,0%	37	190	250	450	35	1,2	55	9	20	FAC

Spectral width* ~ 3 nm
Wavelength thermal shift ~ 0.3 nm/K
Polarization direction: TE >90%
Voltage drop ~ 2 V

* Measured at FWHM

Solder-free Diode Bar Mounting - Patented Clamping™ Technology

- Long lifetime
- High reliability
- No micro channels needed
- Small thermal resistance



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