

HIGH POWER LASER DIODES

BRIGHTEX-P1

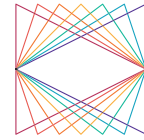
OPI BrighteX-P1 platform features a rugged and reliable design based on **beam stacking**. Off-the-shelf products include four variants with different delivery fibers and output power up to 140 W.

Thanks to the modular platform approach, OPI Photonics customers can also optionally choose the individual emitters and the delivery fiber best matching their application requirements.

Main Features:

- Four off-the-shelf variants with output power up to 140 W
- Fiber delivery
- Platform approach to allow optional customizations
- Applications: fiber laser pumping, direct diode sources

PARAMETER	UNIT	SPECIFICATION	
CW output power	W	C1	70
		C2	90
		C3	90
		C4	140
Operating current	A	C1-2	12
		C3	13.5
		C4	20
Operating voltage	V	C1	13
		C2-3-4	17
Wall plug efficiency	%	50	
Beam NA at 95%	-	C1	0.15
		C2-3-4	0.19
Central wavelength	nm	915	
Fiber core/cladding diameter	μm	C1-2	105/125
		C3	135/155
		C4	200/220
Fiber NA	-	C1	0.15
		C2-3-4	0.22
Pigtail length	m	1.5	
Operating temperature	°C	25	
Relative humidity	%	50	



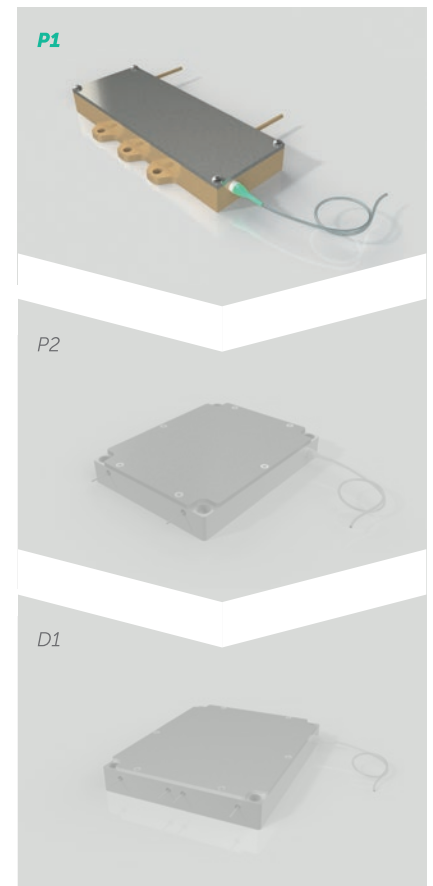
OPIPHOTONICS

UP TO 140 W

FIBER-COUPLED

PLATFORM APPROACH

BEAM STACKING



BrighteX series: 3 platforms with increasing complexity. P1: beam stacking, P2: polarization combining, D1: spectral multiplexing.

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