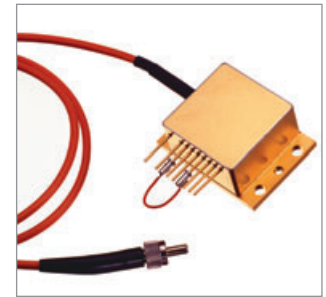


next generation lasers

**VISIBLE MODULES**

**HPD Series 5200**

**Visible CW Lasers  
for Medical and Display Applications**



The HPD Series 5200 laser modules combine an array of Series 1200 diode lasers through a bundle of seven (7) or fourteen (14) optical fibers in a circular arrangement, allowing efficient coupling into 400  $\mu\text{m}$  or 600  $\mu\text{m}$  core, 0.22 NA fiber through an FC or SMA connector. Parallel configuration of the array elements

enables easy operational interfacing with commercial laser current drivers. The High Heat Load package includes integral thermoelectric cooler, monitor photodiode, and thermistor. Applications include photodynamic therapy, illumination, medical imaging and diagnostics.

**Typical Specifications @ 15°C**

HPD Series 5200		5215	5230	5215	5230
Output Power	(W)	1.5	3.0	1.5	3.0
Fiber Bundle Aperture	( $\mu\text{m}$ )	400	600	400	600
# Fibers in Bundle		7	14	7	14
Wavelength	(nm)	635	635	655	655
Operating Voltage	(V)	3	6	3	6
Spectral Width	(nm)	2	3	2	3
Wavelength Tolerance	(nm)	$\pm 3$	$\pm 3$	$\pm 10$	$\pm 10$
Series Resistance	( $\Omega$ )	0.3	0.6	0.3	0.6
Packages		HHLF	HHLF dual	HHLF	HHLF dual
Operating Current		4.5 A			
Threshold Current		2 A			
Slope Efficiency		0.6 W/A			
Operating Temp		15°C			

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**Safety**

Intense-HPD Gallium Indium Arsenide Phosphodide lasers emit radiation which is visible to the human eye. Safety precautions must be taken to prevent potential eye damage. Do not view or stare at operating lasers. If viewing is required, use a matte surface or suitable viewing screen.

Disclaimer

Intense-HPD reserves the right to make changes at any time as necessary to improve the design and to supply the best product. The information provided is believed to be accurate at the time of printing. No responsibility is assumed for its use or on the infringements on the rights of others.  
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