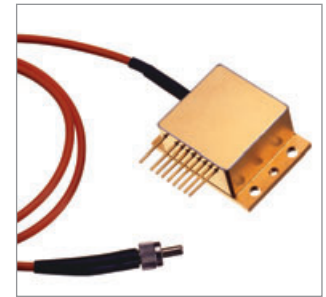


**VISIBLE MODULES**

**HPD Series 5300**

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



The HPD Series 5300 laser modules combine an array of Series 1300 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 @ 20°C**

HPD Series 5300		5325	5350	5325	5350
Output Power	(W)	2.5	5.0	2.5	5.0
Fiber Bundle Aperture	( $\mu\text{m}$ )	400	600	400	600
# Fibers in Bundle		7	14	7	14
Wavelength*	(nm)	670	670	690	690
Operating Voltage	(V)	3	6	3	6
Spectral Width	(nm)	2	3	2	3
Series Resistance	( $\Omega$ )	0.3	0.6	0.3	0.6
Packages		HHLF	HHLF dual	HHLF	HHLF dual
Operating Current		6.3 A			
Wavelength Tolerance		$\pm 10$ nm			
Threshold Current		2 A			
Slope Efficiency		0.6 W/A			
Fiber NA		0.22			
Operating Temp		20°C			

\* Tighter wavelength tolerances on selected units; consult sales.

**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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