intense

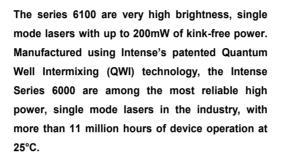
New 300mw Product Offering

next generation lasers

QWI-ENABLED, SINGLE MODE COMPONENTS

Series 6100

980nm High Brightness Lasers for Defense, Medical, Print and Imaging Applications



The lasers are available in a wide selection of industry standard packages. Photodiode monitors

are optional for both the 5.6 mm and 9mm packages. Custom wavelengths are available on request. Power levels under 100mW are also available.

Applications include a variety of print and imaging, point-to-point communications, medical imaging, optical storage, sense and detection, aerospace and defense.



Series 6100		6105		6110		6120	6130
Output Power	(mW)	50		100		200	300
Source Size	(µm)	3		3		3	3
Operating Current	(mA)	80		140		250	360
Threshold Current	(mA)	20		20		30	30
Wavelength	980nm ±5nm, 980nm ±10nm						
Other Wavelengths	886-1000 nm available on request						
Spectral Width	2nm						
Slope Efficiency	0.95 W/A						
Beam Divergence	5 x 25 deg (FWHM)*						
Typical Packages	5.6mm**, 9mm, C-mount, PDM optional						

- * Other far field available on request
- ** 5.6mm package up to 200mw

Safety

Intense Indium Gallium Arsenide lasers emit infrared radiation. This radiation is invisible to the human eye and 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 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.

1200A Airport Road North Brunswick, NJ 08902 USA

Tel: +1 732 249 2228 Fax: +1 732 249 8139

E-mail: sales@intenseco.com
Web: www.intenseco.com

