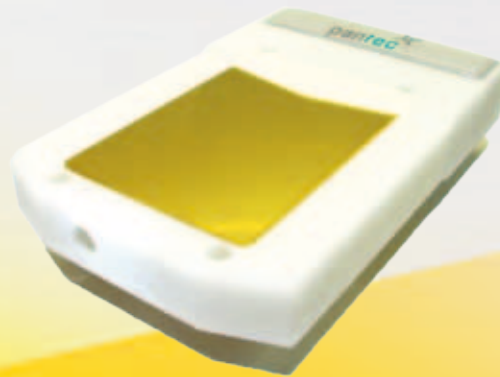


# High Brightness Single Frequency Diode Laser

fam<sup>TM</sup>  
Fast Axis Matching

- . Single frequency
- . Single mode (TEM<sub>00</sub>)
- . High power
- . Round & Astigmatism free beam
- . Microsecond pulses
- . Nonlinear frequency conversion



## Specifications

Optical Parameters	
. Wavelength	400 nm - 5.5 µm
. Output Power (cw)	up to 2.0 W (depending on wavelength)
. Pulse Duration	50 µs - ∞
. Duty Cycle	(0 - 100 %)
. Mode of Operation	CW & Pulsed
. Spectral Width (FWHM)	< 30 pm
. M <sup>2</sup> Factor (max Power)	< 2
. Polarization	Linear
Electrical Parameters	
. Input Voltage	12 V
. Input Current	3.5 A
Mechanical Dimensions	
. W x D x H	120 x 56 x 25 mm <sup>3</sup>
. Weight	300 g
Thermal Parameters	
. Operating Temperature	15 - 30 °C
. Heat Sink Capacity	50 W
Interface	
. Communication	RS232 / Mini USB
. Emergency Stop	Potential free / dual
. Current Monitor	Analog 0 - 4 V
. Trigger In / Out	TTL 5 V
. Footswitch	Normally open

