

Laser Diode

Pantotek devotes to providing optical components, laser accessories, and laser system with low price and quality guarantee for customers. This catalogue lists the laser diodes on shelf. Most products can be delivered in 3 days after the payments arrive. Products out of the catalogue please inform us the wavelength, power, package and other requirements.

We own a factory in Anhui, China for crystal and optics, which is located in a power plant to reduce cost, and another factory in Zhejiang, China, for laser diode module.

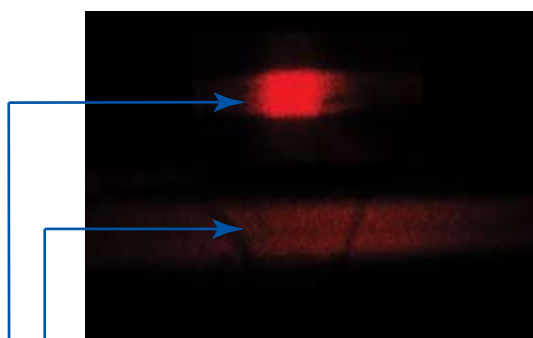
Our Canada office is opened on May, 2007 to server customers overseas better. Call +1-418-455-5170 you will get direct support from them.

Basic Characteristics of Laser Diodes:

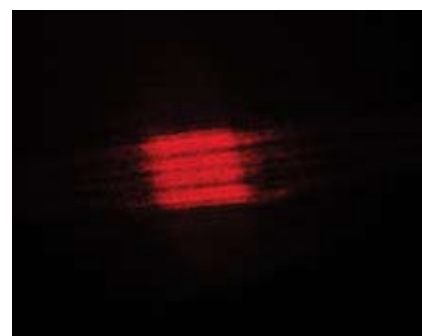
Wavelength	Part No.	Power (mW)	Op. Cur. (mA)	Op. Volt. (V)	Div. (Deg.)	Op. Temp. (°C)	Package
635 nm	LD635-5-1	5	35	2.2	34x7.5	-10~+40	TO18
635 nm	LD635-10-1	12	55	2.2	33x7.5	-10~+40	TO18
635 nm	LD635-20-2	20	70	2.3	28x7	-10~+40	TO5
650 nm	LD650-5-1	5	20	2.2	35x7.5	-10~+40	TO18
650 nm	LD650-10-1	11	30	2.2	30x8	-10~+50	TO18
650 nm	LD650-30-1	30	80	2.4	23x7	-10~+60	TO18
650 nm	LD650-200-1	200	200	2.5	17x10	-10~+70	TO18
808 nm	LD808-200-1	200	205	1.9	35x8	-10~+40	TO18
808 nm	LD808-500-0	500	650	1.6~2.2	40x12	-10~+50	C-mount
808 nm	LD808-1000-0	1000	1300	1.6~2.2	40x12	-10~+50	C-mount
808 nm	LD808-2000-0	2000	2600	1.6~2.2	40x12	-10~+50	C-mount
980 nm	LD980-50-1	50	75	1.5	35x12	-10~+40	TO18
980 nm	LD980-300-2	300	500	2.2	36x8	-30~+70	TO5
1450 nm	LD1450-600-0	600	2800	1.3	45x11	+10~+30	C-mount
1625 nm	LD1625-5-1	5	50	2.0	40x20	+10~+30	TO18

Fast Axis Collimation:

Normally anamorphic prism pair is used to transform the beam profile of laser diode into near circular. Now, you can discard the prism pair. 808nm laser diodes of PANTOTEK have similar beam divergence at two dimensions, they are easy to assemble and make your DPSS laser system more compact.



Beam profile measured at 5 mm distance
 Beam profile before collimation
 Beam profile after collimation



Beam profile measured at 460 mm distance
 after collimation

For more detail information, please contact PANTOTEK.



Low Price and quality guarantee!!!

