

515nm ~ 520nm, High End Laser Module

Application:

Industrial areas / Medical / Laser Projectors

Property:

Wavelength Range = 515nm ~ 520nm

Introduction:

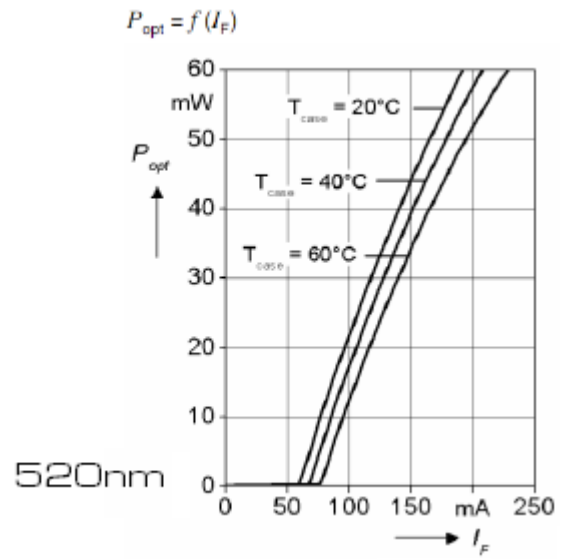
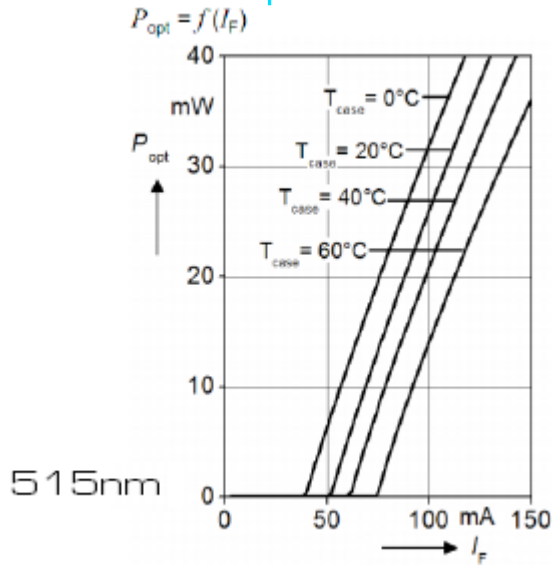
Egismos is presenting new revolutionary laser product that soon will change the way our Video Projectors are working. Besides image creating, it also has many advantages to be used in many industrial applications, medicine, gun sights and many more.



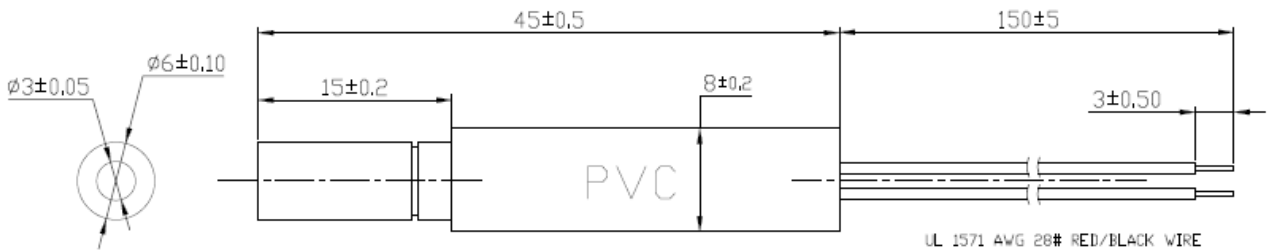
Specifications:

Specifications(T=25°C)	Symbol Model	H635155D H6351510D H6351515D	H6352010D H6352020D H6352030D
Mode		CW	CW
Wavelength	λ	515nm	520nm
Spot		Round, Dot, Line	Round, Dot, Line
Spot Size		<24mm round at 10m	<24mm round at 10m
Diameter x Length	$\Phi \times L$	6x43mm	6x43mm
Output Power	Po	5mW, 10mW, 15mW	10mW, 20mW, 30mW
Divergence Angle	mrad	<1mrad (min.<0.6mrad)	<1mrad (min.<0.6mrad)
Operating Voltage(DC)	Vo	3V, 5V, 9V, 12V	3V, 5V, 9V, 12V
CW Operating Current	Io	3V max. 850mA 5V max. 350mA	3V max. 1000mA 5V max. 500mA
Operating Temperature	To	-10°C ~ + 60 °C	-10°C ~ + 60 °C
Storage Temperature	Ts	-40°C ~ + 85 °C	-40°C ~ + 85 °C
Housing Material		Aluminum, Brass	Aluminum, Brass
Bore Sight	mm/m	<20mm/m (min.<3mm/m)	<20mm/m (min.<3mm/m)
Mean time to failure(MTTF)	hrs	>5,000hrs	>5,000hrs

Current vs Output Power:



Outline Dimensions:



Certification :



Laser Safety

The light emitted from these devices has been set in accordance with IEC60825. However, staring into the beam, whether directly or indirectly, must be avoided.

Class I

The maximum permissible exposure(MPE) cannot be exceeded, it includes High-power lasers within an enclosure that prevents exposure to the radiation and that cannot be opened without shutting down the laser. For example, a continuous laser at 600nm can emit up to 0.39mW, but for shorter wavelengths, the maximum emission is lower.

Class II

“Caution”, visible laser light less than 1.0mW. Considered eye safe, normal exposure to this type of beam will not cause permanent damage to the retina.

Class IIIA

“Danger”, visible laser light between 1.0mW and 5.0mW. Considered eye safe with caution. Focusing of this light into the eye could cause some damage.

Class IIIB

“Danger”, infrared(IR), and high power visible lasers considered dangerous to the retina if exposed. NB: it is important to note that while complying with the above classifications, unless otherwise stated. Our laser diode products are not certified and are designed solely for use in OEM products. The way in which device is used in the final product may alter it's original design classification, and it is the responsibility of the OEM to ensure compliance with the relevant standards.