

532nm, High Stability

Application:

Industrial areas

Property:

Wavelength Range = 532nm

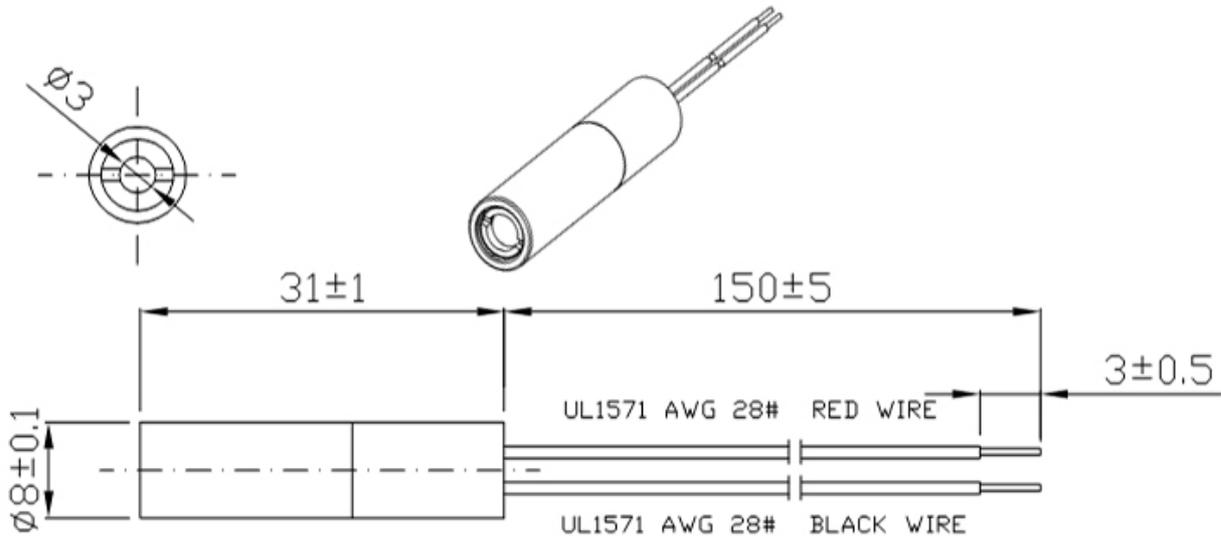
Introduction:

Egismos created high end green DPSS lasers. H8 laser module series is distinguished by its compact size, high MTTF and good stability, meaning that it can be used in many different applications and industries.



Specifications:

Specifications(T=25°C)	Symbol	S835321R-ST01A	S835325R-ST01A
Mode		CW(TTL)	CW(TTL)
Wavelength	λ	532nm	532nm
Spot		Round	Round
Spot Size		10m < Φ 20m	10m < Φ 20m
Diameter x Length	$\Phi \times l$	8x30mm	8x30mm
Output Power	Po	<1mW	<5mW
Power Stability		<20%	<20%
Divergence Angle	mrad	<2	<2
Operating Voltage(DC)	Vo	3V, 5V	3V, 5V
CW Operating Current	Io	120~280mA 300mA max	120~280mA 300mA max
Operating Temperature	To	15°C ~ + 35 °C	10 °C ~ + 35 °C
Storage Temperature	Ts	-40 °C ~ + 85 °C	-40 °C ~ + 85 °C
Housing Material		Stainless Steel, Copper	Stainless Steel, Copper
Mean time to failure(MTTF)	hrs	4,000~6,000	4,000~6,000

Outline Dimensions:**Certification:****FDA****CE****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 its original design classification, and it is the responsibility of the OEM to ensure compliance with the relevant standards.

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