

532nm, High Stability, High Quality DPSS Lasers

Application:

Industrial areas

Property:

Wavelength Range = 532nm

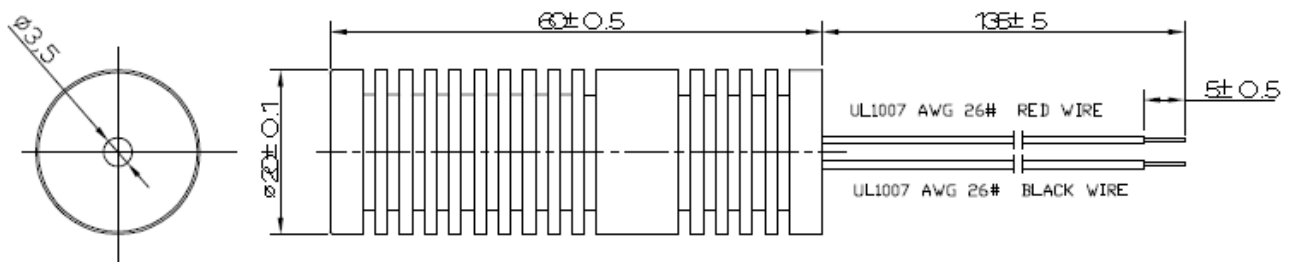
Introduction:

Egismos created high end green DPSS lasers. SC laser module series can be with various output power, from <1mW to few hundred milliwatts. High MTTF, good stability, great beam shape and good heat dissipation are other qualities that might be highly appreciated by our customers.



Specifications:

Specifications(T=25°C)	Symbol	SC353220R	SC353230R
Mode		CW(TTL)	CW(TTL)
Wavelength	λ	532nm	532nm
Spot		Round	Round
Spot Size		<15mm at 10m	<15mm at 10m
Diameter x Length	$\Phi \times l$	20 x 60 mm	20 x 60 mm
Output Power	Po	<20mW, typ.16mW	<30mW, typ.25mW
Power Stability		$\leq \pm 20\%$ within operating temperature	$\leq \pm 20\%$ within operating temperature
Divergence Angle	mrad	<1.5	<1.5
Operating Voltage(DC)	Vo	2.7-3.5V	2.7-3.5V
CW Operating Current	Io	300~600mA, typ.350mA	300~600mA., typ. 400mA
Operating Temperature	To	+15 °C ~ +35 °C	+15 °C ~ +35 °C
Storage Temperature	Ts	-40 °C ~ + 85 °C	-40 °C ~ + 85 °C
Housing Material		Brass/Anodized Aluminum	Brass/Anodized Aluminum
Mean time to failure(MTTF)	hrs	>5,000	>5,000

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.

Egismos

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