

# Green Laser Diode Module **AML-L115-525001-01**

## $\Phi$ 11.5mm 520nm Laser Line Generator

### Features

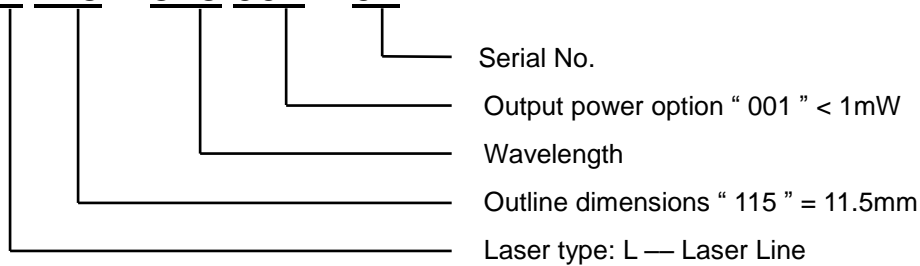
1. APC (auto power control) driver circuit
2. Wide input voltage range (3~ 6VDC)
3. Stable Output power of <1mW
4. High quality glass lens for output beam

### Applications

1. General purpose blue laser light source
2. Industrial laser marker

### Part No. Indications:

AML- L 115 - 525 001 - 01



### Absolute maximum ratings ( $T_c=25^\circ\text{C}$ )

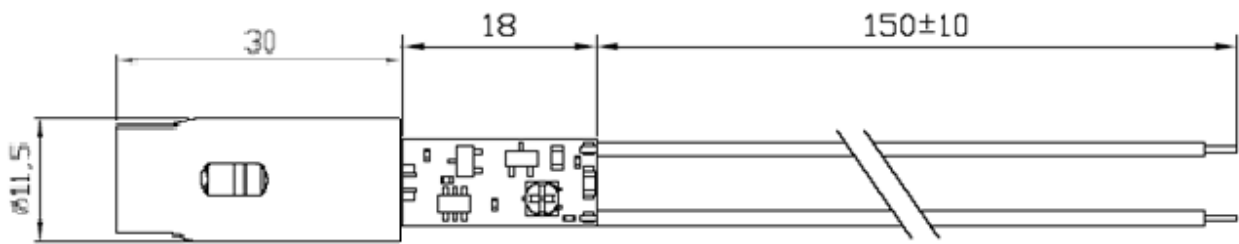
Item	Symbol	Rating	Unit
Power supply voltage	$V_{cc}$	6	V
Laser Module optical output power	$P_o$	1	mW
Operation Case Temperature	$T_c$	0~60	$^\circ\text{C}$
Storage Temperature	$T_{stg}$	-40~80	$^\circ\text{C}$

### Electrical and optical characteristics ( $T_c=25^\circ\text{C}$ )

Item	Symbol	Min.	Typ.	Max	Unit	Condition
Wavelength	$\lambda$	510	-	525	nm	$P_o=1\text{mW}$
Output power	$P_{out}$	<1			mW	$V_{cc}=3\text{V}$
Operation current	$I_{op}$	-	200	280	mA	$P_o=1\text{mW}$ $V_{cc}=3\text{V}$
Operation voltage	$V_{op}$	3		6	Volt	
Laser line accuracy	< 0.01° (40") at 4m					
Emitting angle	> 120°					

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## Outline dimensions (Units: mm)



**Red wire : Vcc**

**Black wire : GND**

### Laser Safety Precautions

1. Do not look into the laser beam directly by eyes. The laser beam may cause severe damage to human eyes.
2. Optical Lens is made of glass . Do not contaminate lens by soiling, oil or chemical.