

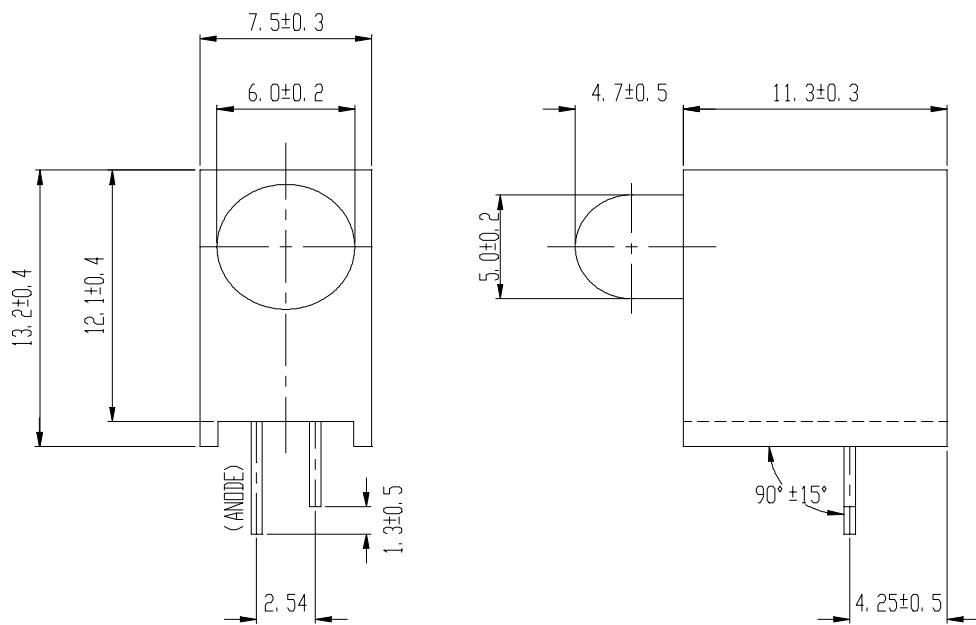
PART NO. :

A203B/Y

ECN :

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**■ Package Dimensions:****■ Notes:**

1. All dimensions are in millimeters, tolerance is 0.25mm except being specified
2. Lead spacing is measured where the lead emerge from the package

LED PART NO.	Chip		Lens Color
	Material	Emitted Color	
333YD	GaAsP/GaP	Yellow	Yellow Diffused

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<http://www.everlight.com>

**■ Descriptions:**

- 1.ARRAY=Plastic Holder+Combination of Lamps
- 2.The array will easily mount the applicable lamps on any panel

**■ Features:**

- 1.Low power consumption
- 2.High efficiency and low cost
- 3.Good control and free combinations on the colors of LED lamps
- 5.Good lock and easy to assembly
- 6.Stackable and easy to assembly
- 7.Stackable vertically and easy to assembly
- 8.Versatile mounting on PCB or panel
- 9.Stackable horizontally and easy to assembly

**■ Applications:**

- 1.Used as indicators of indicating the Degree, Functions, Positions etc, in electronic instruments.

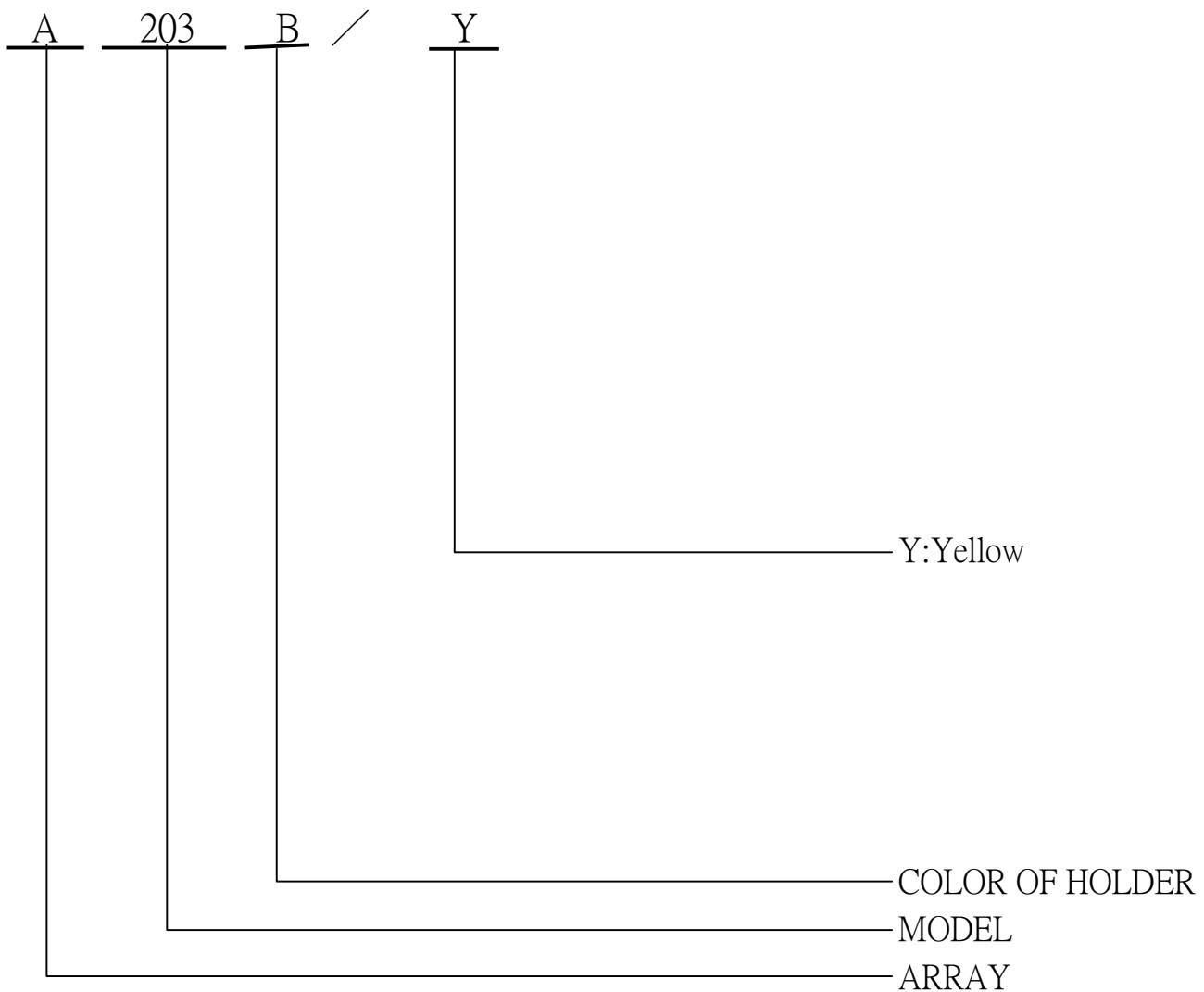


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■ LED LAMP ARRAYS SELECTION GUIDE:



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**■ Absolute Maximum Ratings at Ta = 25°C**

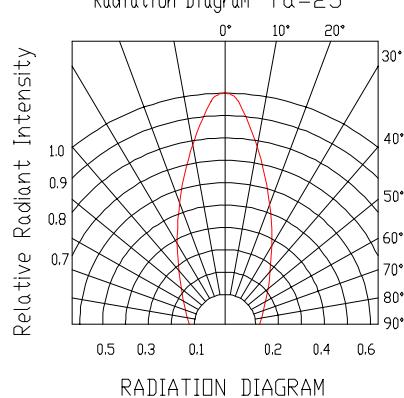
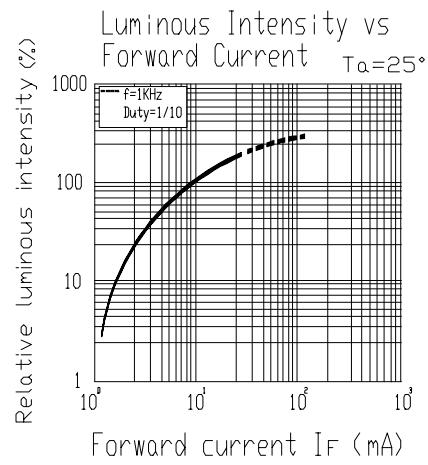
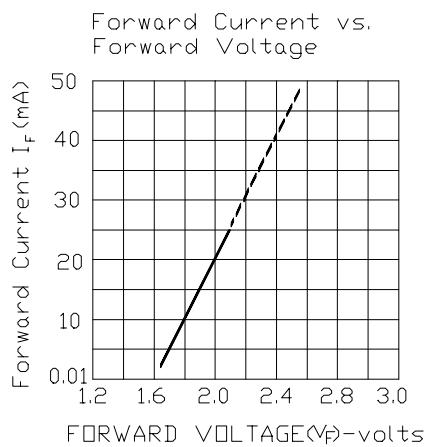
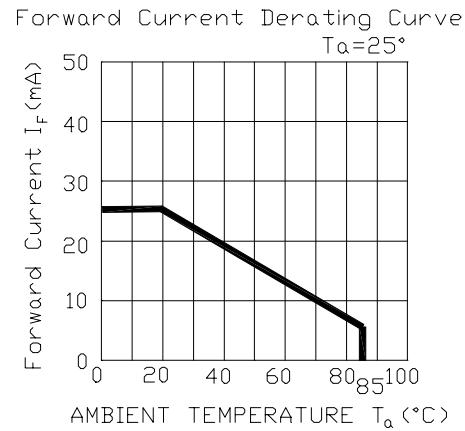
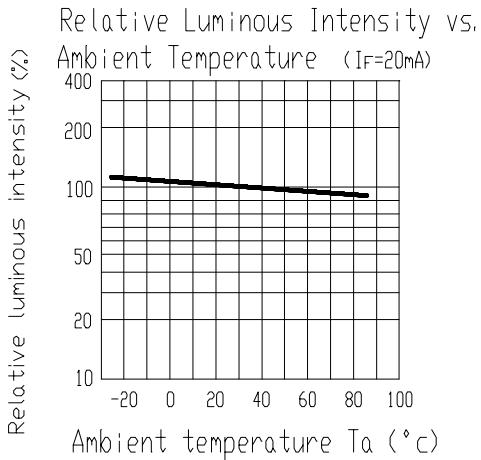
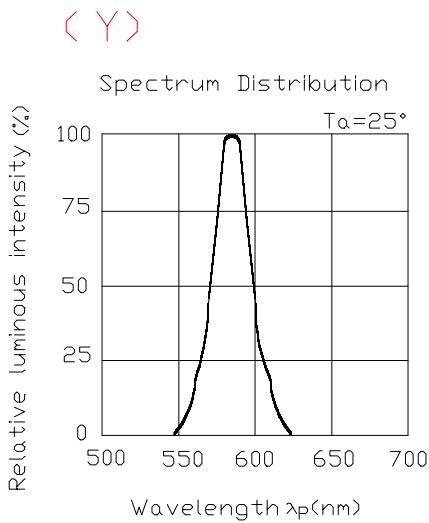
Parameter	Symbol	Rating	Unit
Forward Current	I <sub>F</sub>	25	mA
Operating Temperature	T <sub>opr</sub>	-40 to +85	°C
Storage Temperature	T <sub>stg</sub>	-40 to +100	°C
Soldering Temperature	T <sub>sol</sub>	260 ± 5	°C
Power Dissipation	P <sub>d</sub>	85	mW
Peak Forward Current(Duty 1/10 @ 1KHz)	I <sub>F</sub> (Peak)	160	mA
Reverse Voltage	V <sub>R</sub>	5	V

**■ Electronic Optical Characteristics :**

Parameter	Symbol	Min.	Typ.	Max.	Unit	Condition
Luminous Intensity	I <sub>v</sub>	2.0	10	/	mcd	I <sub>F</sub> = 10 mA
Viewing Angle	2θ 1/2	/	45	/	deg	I <sub>F</sub> = 20 mA
Peak Wavelength	λ <sub>p</sub>	/	585	/	nm	I <sub>F</sub> = 20 mA
Dominant Wavelength	λ <sub>d</sub>	/	590	/	nm	I <sub>F</sub> = 20 mA
Spectrum Radiation Bandwidth	△λ	/	35	/	nm	I <sub>F</sub> = 20 mA
Forward Voltage	V <sub>F</sub>	1.7	2.0	2.4	V	I <sub>F</sub> = 20 mA
Reverse Current	I <sub>R</sub>	/	/	10	μA	V <sub>R</sub> = 5 V



## ■ Typical Electro-Optical Characteristic Curves:





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## ■ Reliability test items and conditions

No	Item	Test Conditions	Test Hours/Cycle	Sample Size	Ac/Re
1	Solder Heat	TEMP : 260°C ± 5 °C	5 SEC	76 PCS	0/1
2	Temperature Cycle	H : +85°C 30min ↓ 5 min L : -55°C 30min	50 CYCLES	76 PCS	0/1
3	Thermal Shock	H : +100°C 5min ↓ 10 sec L : -10°C 5min	50 CYCLES	76 PCS	0/1
4	High Temperature Storage	TEMP : 100°C	1000 HRS	76 Pcs	0/1
5	Low Temperature Storage	TEMP : -55°C	1000 HRS	76 PCS	0/1
6	DC Operating Life	I <sub>F</sub> = 20 mA	1000 HRS	76 PCS	0/1
7	High Temperature / High Humidity	85°C/85% RH	1000 HRS	76 PCS	0/1