

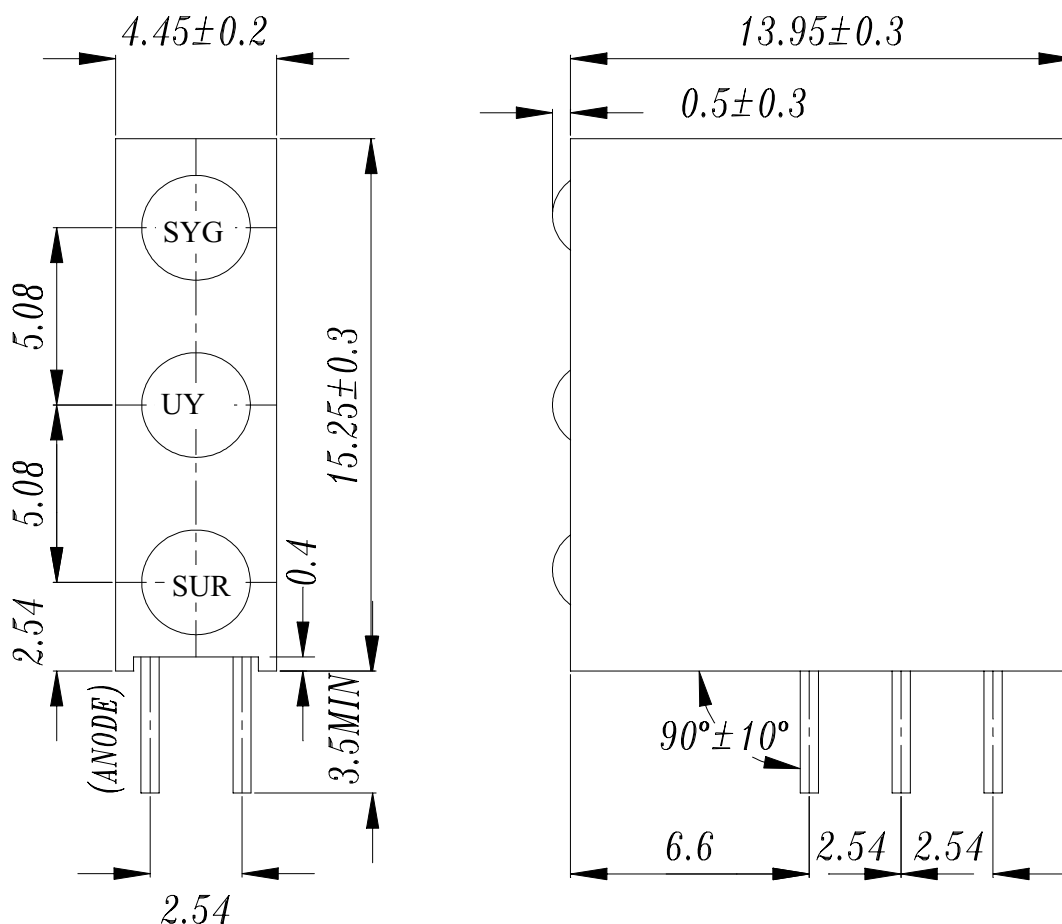


EVERLIGHT ELECTRONICS CO.,LTD.

Device Number : DAE-076-484 REV: 1.0

PART NO. : A764B/SYGUYSD/S530-A2 ECN : Page: 1/9

■ Package Dimensions:



■ Notes:

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

LED PART NO	Chip		Lens Color
	Material	Emitted Color	
234-10SYGD/S530-E1	AlGaInP	Super Yellow Green	Green Diffused
234-10UYD/S530-A2	AlGaInP	Super Yellow	Yellow Diffused
234-10SURD/S530-A2	AlGaInP	Hyper Red	Red Diffused

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PART NO. : A764B/SYGUYSUR/S530-A2 ECN : Page: 2/9

■ 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 degrees, functions, positions etc, in electronic instruments.

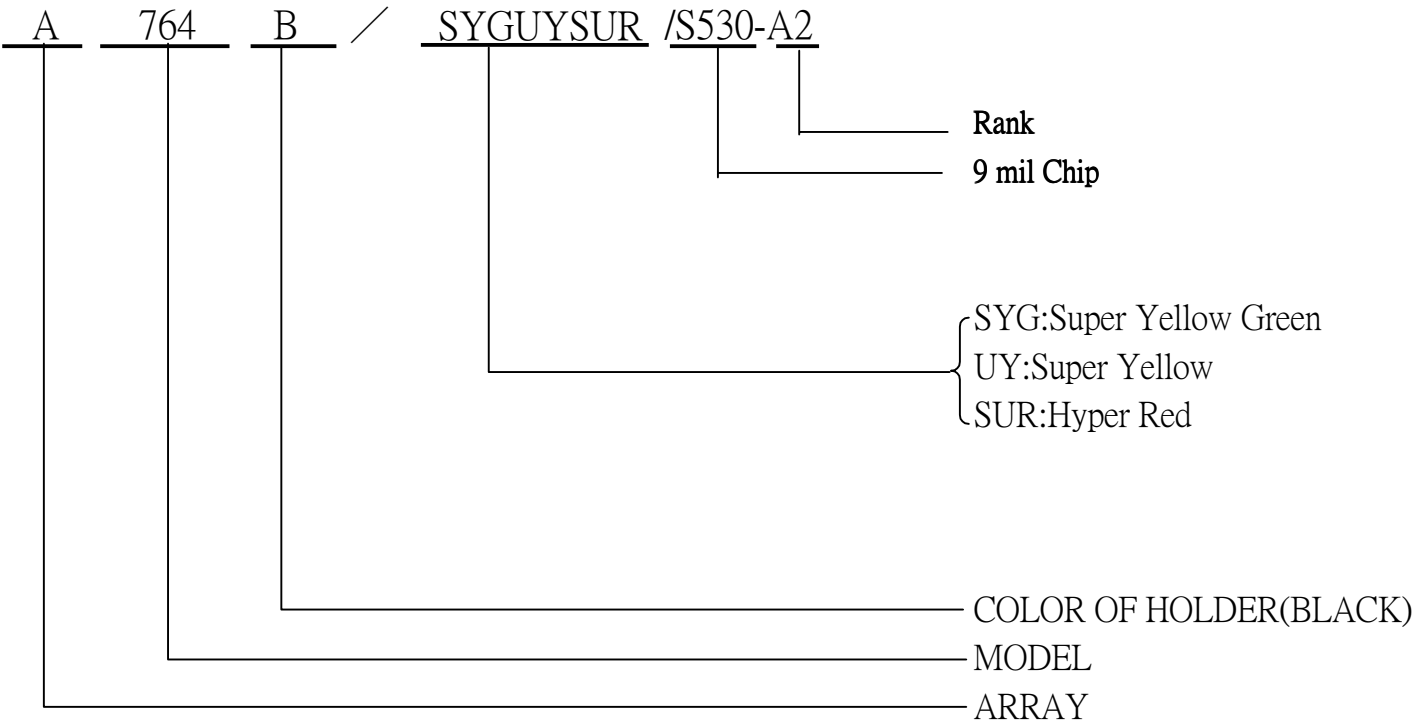


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■ LED LAMP ARRAYS SELECTION GUIDE:





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Absolute Maximum Ratings at Ta = 25°C

SYG

Parameter	Symbol	Rating	Unit
Forward Current	IF	25	mA
Operating Temperature	Topr	-40 to +85	°C
Storage Temperature	Tstg	-40 to +100	°C
Soldering Temperature	Tsol	260 ± 5	°C
Electrostatic Discharge	ESD	2000	V
Power Dissipation	Pd	60	mW
Peak Forward Current(Duty 1/10 @ 1KHz)	IF(Peak)	160	mA
Reverse Voltage	VR	5	V

Electronic Optical Characteristics :

Parameter	Symbol	Min.	Typ.	Max.	Unit	Condition
Luminous Intensity	Iv	---- 16	1.5 25	/	mcd	IF= 2 mA IF= 20 mA
Viewing Angle	2 θ 1/2	/	45	/	deg	IF= 20 mA
Peak Wavelength	λ p	/	575	/	nm	IF= 20 mA
Dominant Wavelength	λ d	/	573	/	nm	IF= 20 mA
Spectrum Radiation Bandwidth	△ λ	/	20	/	nm	IF= 20 mA
Forward Voltage	VF	/	2.0	2.4	V	IF= 20 mA
Reverse Current	IR	/	/	10	μ A	VR= 5 V



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■ Absolute Maximum Ratings at Ta = 25°C

UY

Parameter	Symbol	Rating	Unit
Forward Current	I _F	25	mA
Operating Temperature	T _{opr}	-40 to +85	°C
Storage Temperature	T _{stg}	-40 to +100	°C
Soldering Temperature	T _{sol}	260 ± 5	°C
Electrostatic Discharge	ESD	2000	V
Power Dissipation	P _d	60	mW
Peak Forward Current(Duty 1/10 @ 1KHz)	I _F (Peak)	160	mA
Reverse Voltage	V _R	5	V

■ Electronic Optical Characteristics :

Parameter	Symbol	Min.	Typ.	Max.	Unit	Condition
Luminous Intensity	I _v	---- 25	2.4 40	/	mcd	I _F = 2 mA I _F = 20 mA
Viewing Angle	2 θ 1/2	/	45	/	deg	I _F = 20 mA
Peak Wavelength	λ _p	/	591	/	nm	I _F = 20 mA
Dominant Wavelength	λ _d	/	589	/	nm	I _F = 20 mA
Spectrum Radiation Bandwidth	△ λ	/	15	/	nm	I _F = 20 mA
Forward Voltage	V _F	/	2.0	2.4	V	I _F = 20 mA
Reverse Current	I _R	/	/	10	μ A	V _R = 5 V



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■ Absolute Maximum Ratings at Ta = 25°C

SUR

Parameter	Symbol	Rating	Unit
Forward Current	IF	25	mA
Operating Temperature	Topr	-40 to +85	°C
Storage Temperature	Tstg	-40 to +100	°C
Soldering Temperature	Tsol	260 ± 5	°C
Electrostatic Discharge	ESD	2000	V
Power Dissipation	Pd	60	mW
Peak Forward Current(Duty 1/10 @ 1KHz)	IF(Peak)	160	mA
Reverse Voltage	VR	5	V

■ Electronic Optical Characteristics :

Parameter	Symbol	Min.	Typ.	Max.	Unit	Condition
Luminous Intensity	Iv	---- 16	1.5 25	/	mcd	IF= 2 mA IF= 20
Viewing Angle	2θ 1/2	/	45	/	deg	IF= 20 mA
Peak Wavelength	λ p	/	632	/	nm	IF= 20 mA
Dominant Wavelength	λ d	/	624	/	nm	IF= 20 mA
Spectrum Radiation Bandwidth	△ λ	/	20	/	nm	IF= 20 mA
Forward Voltage	VF	/	2.0	2.4	V	IF= 20 mA
Reverse Current	IR	/	/	10	μ A	VR= 5 V



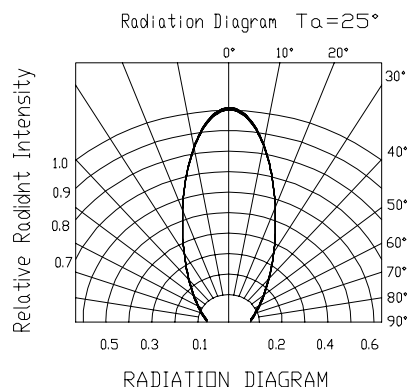
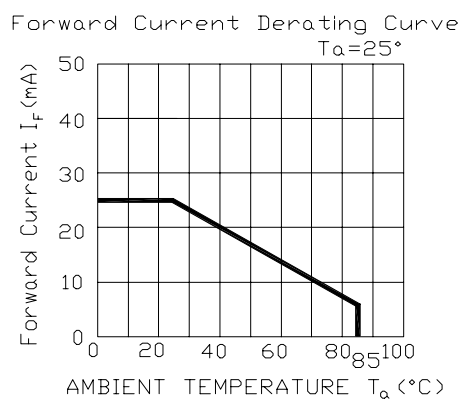
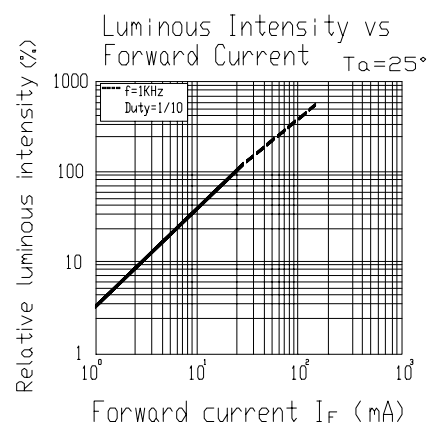
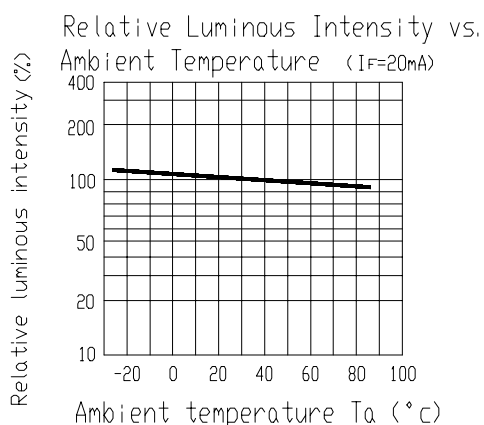
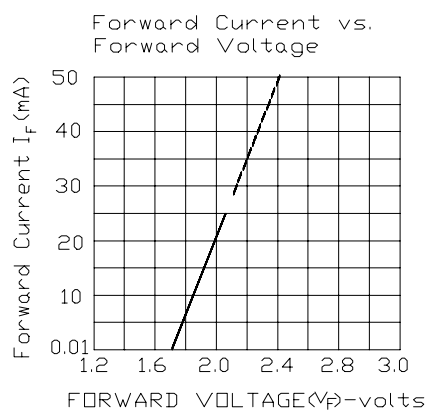
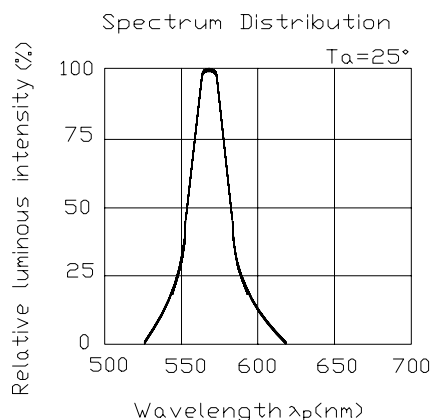
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■ Typical Electro-Optical Characteristic Curves

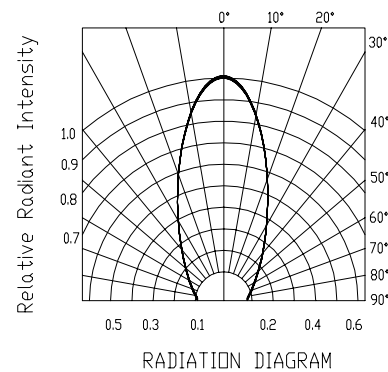
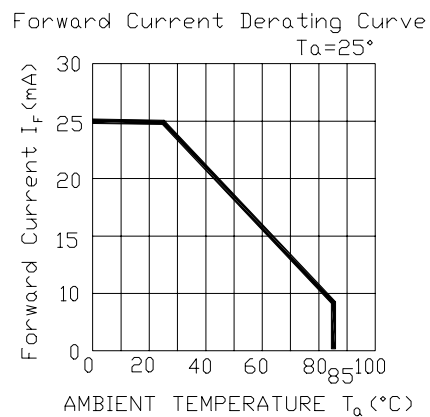
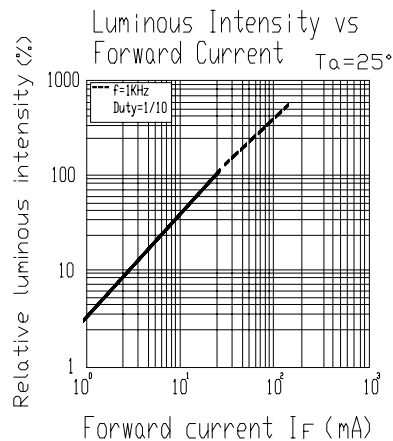
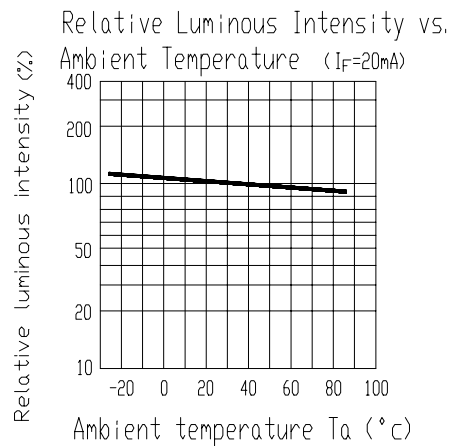
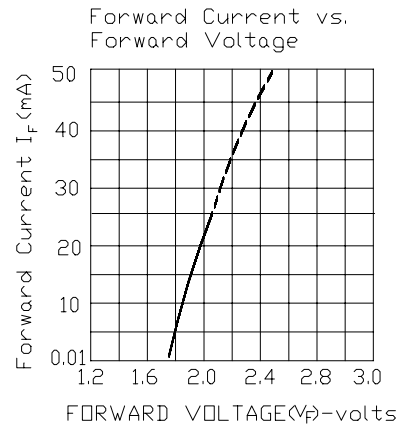
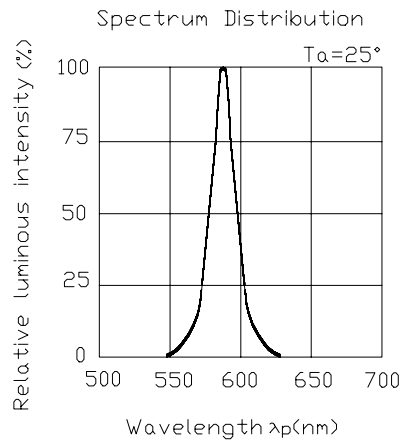
SYG





■ Typical Electro-Optical Characteristic Curves

UY





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■ Typical Electro-Optical Characteristic Curves

SUR

