

DATA SHEET

	PART_ NO.	:	A253B/SYG/S53	0-E2		
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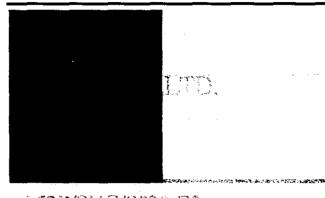


Technical Data Sheet 5.0mm Round Type LED Lamps

Features:

- Low power consumption
- High efficiency and low cost
- Good control and free combinations on the colors of LED lamps
- Good lock and easy to assembly
- Stackable and easy to assembly
- Stackable vertically and easy to assembly
- Versatile mounting on P.C board or panel
 - Stackable horizontally and easy to assembly
 - Pb free

A253B/SYG/S530-E2



53%/SYG/S534-E2

ONE

Descriptions :

- ARRAY=Plastic Holder+Combinations of Lamps
- The array will easily mount the applicable lamps on any panel up to

Applications:

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

DADT NO		Long Colon	
PART NO.	Material	Emitted Color	Lens Color
333-2SYGD/S530-E2	AlGaInP	Super Yellow Green	Green Diffused

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http://www.everlight.com

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Device Number:

CDAE-025-035

Prepared da 2004/8/20

Prepared by:

Lan Feng

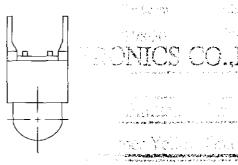
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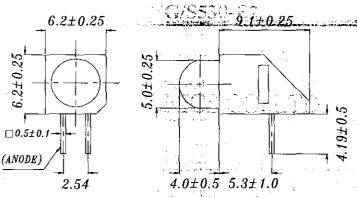
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Technical Data Sheet 5.0mm Round Type LED Lamps

A253B/SYG/S530-E2

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

Absolute Maximum Ratings at $Ta = 25^{\circ}C$

• Parameter	Symbol	Rating	Unit
Forward Current	IF	25	mA
Operating Temperature	Topr	-40 to +85	\mathbb{C}
Storage Temperature	Tstg	-40 to +100	°C
Soldering Temperature	Tsol	260 ± 5	\mathbb{C}_{+}
Electrostatic Discharge	ESD	2000	$_{\rm a}{ m V}_{ m act}$
Power Dissipation	Pd	60	mW
Peak Forward Current	IF(Peak)	160	mA
Reverse Voltage	Vr	5	. Viana

Note: *1:IFP Conditions --Pulse Width ≤ 1msec and Duty ≤ 1/10.

*2:Soldering time \leq 5 seconds.

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Technical Data Sheet 5.0mm Round Type LED Lamps

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Electro-Optical Characteristics (Ta=25°C)

Parameter	Symbol	Condition	Min.	Тур.	Max.	Unit
Forward Voltage	V_{F}	I _F = 20 mA		2.0	2.4	V
Reverse Current	Ir	$V_R = 5 V$		/	10	μΑ
Luminous Intensity	Iv	I _F = 20 mA	40	80 California (1980)	assar kan sa sa sa	mcd
Viewing Angle	2 0 1/2	I _F = 20 mA	3.72	45		deg
Peak Wavelength	λp	I _F = 20 mA	/	575		nm
Dominant Wavelength	λd	$I_F = 20 \text{ mA}$		573		nm
Spectrum Radiation Bandwidth	Δλ	I _F = 20 mA		20	a marine for section of	
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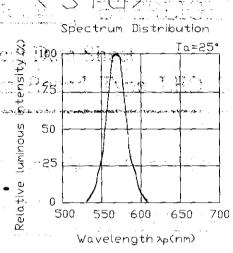
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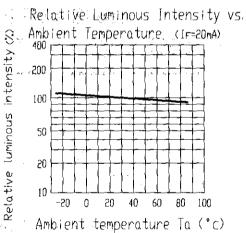
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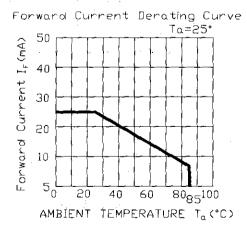
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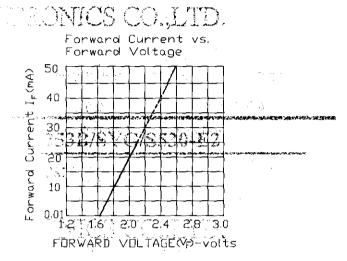
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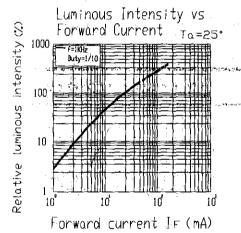
Typical Electro-Optical Characteristic Curves:

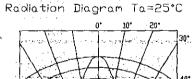


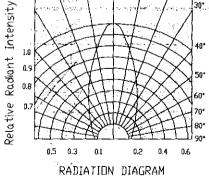












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Reliability test items and conditions:

NO	Item	Test Conditions	Test Hours/Cycle	Sample Size	Ac/Re
1	Solder Heat		10 SEC	76 PCS	0/1
2	Temperature Cycle	H:+100°C 15min 253₺. ∫ 5 min 253₺. L:-40°C 15min	300 CYCLES	76 PGS	0/1
3	Thermal Shock	H:+100°C 5min ∫ 10 sec L:-10°C 5min	300 CYCLES	76 PCS	0/1
4	High Temperature Storage	TEMP: 100℃	1000 HRS	76 PCS	0/1~
5	Low Temperature Storage	TEMP: -40°C	1000 HRS	76 PCS	0/1
6	DC Operating Life	TEMP : 25℃ If = 20mA	1000 HRS	76 PCS	
7	High Temperature / High Humidity	85°C / 85% RH	1000 HRS	76 PCS	0/1
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Technical Data Sheet 5.0mm Round Type LED Lamps

A253B/SYG/S530-E2

Packing Quantity Specification

1.250PCS/1Bag · 5Bags/1Box

2. 10Boxes/1Carton

Label Form Specification

EVERLIGHT

CPN:



MADE IN TAIWAN

CPN: Customer's Production Number

P/N: Production Number

QTY: Packing Quantity

HUE: Peak Wavelength

REF: Reference

LOT No. Lot Number

PON: Programma Number

MADE IN TAIWAN: Production Place - IPN: Curt that I suit of the Indianates

Notes

- 1. Above specification may be changed without notice. EVERLIGHT will reserve authority on material change for above specification.
- 2. When using this product, please observe the absolute maximum ratings and the instructions for using outlined in these specification sheets. EVERLIGHT assumes no responsibility for any damage resulting from use of the product which does not comply with the absolute maximum ratings and the instructions included in these specification sheets.
- 3. These specification sheets include materials protected under copyright of EVERLIGHT corporation.

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