

ELECIKU

Room 1610, Hong Kong Plaza, 188 Connaught Road West, Hong Kong,

Fax: (852) 2517 1797 email: sales@toyo-led.com

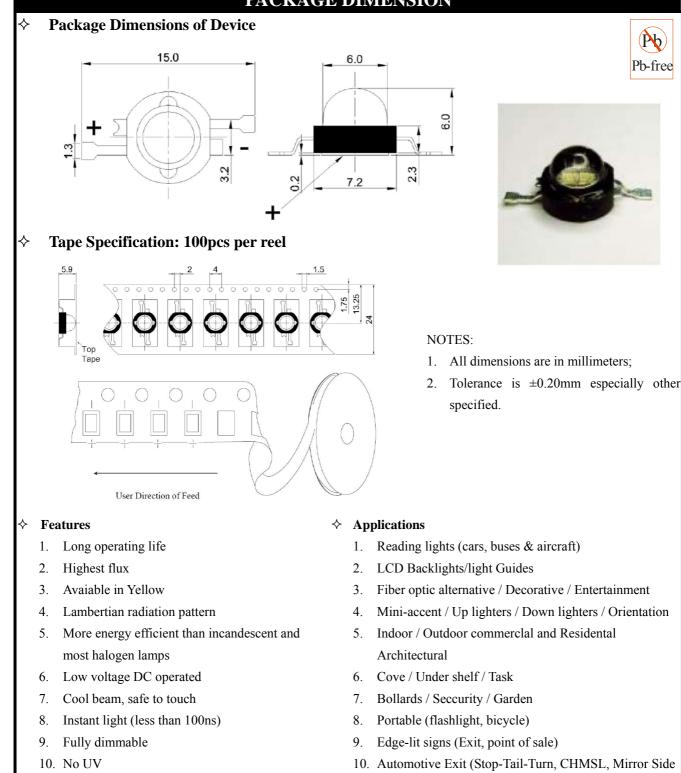


P/N: TY-HP3Y

Tel: (852) 2540 7288

http://www.toyo-led.com





- 11. Superior ESD protection
- 12. Eutectic die bonding
- 13. RoHS compliant

4. Mini-accent / Up lighters / Down lighters / Orientation

- 10. Automotive Exit (Stop-Tail-Turn, CHMSL, Mirror Side Repeat)
- 11. Traffic signaling / Beacons / Rail Crossing and Wayside





ELECTRO

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P/N: TY-HP3Y

High Power Series

♦ Absolute Maximum Ratings(Ta=25C°)			
Item	Symbol	Maximum	Unit
Forward Current	IF	800	mA
Peak Forward Current*	Ifp	1000	mA
Reverse Voltage	VR	5	V
Power Dissipation	PD	3000	mW
Electrostatic Discharge	ESD	±4500	V
Operating Temperature Range	Topr	$-40 \sim +80$	°C
Storage Temperature Range	Tstg	-40 ~ +100	°C
Lead Soldering Temperature**	Tsol	Max. 260°C for 3sec Max.	
* IFD $(1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,$			

*IFP Conditions: Pulse Width≤10msec duty≤1/10

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**All high power emitter LED products mounted on aluminum metal-core PCB, can be lighted directly, but we do not recommend lighting the high power products for more than 5 seconds without a appropriate heat disspation equipment.

**Re-flow, wave peak and soak-stannum soldering etc. is not suitable for this products.

**Suggest to solder it by professional high power LED soldering machine.

**Can use invariable-temperature searing-iron with soldering condition: ≤260°C less than 3 seconds.

Item **Symbol** Min. Typ. Max. Unit Condition Forward Voltage VF 2.02.4 2.8 V IF=800mA **Reverse Current** 50 VR=5V Ir ----uA $2\theta^{1/2}$ 110 140 $I_F = 800 \text{mA}$ 50% Power Angle deg ___ Luminous Intensity Φv 30.6 51.7 lm IF=800mA --**Recommend Forward Current** 800 IF mA Wavelength λd 586 ___ 592 IF=800mA nm Thermal Resistance, Junction to Case 13 °C/w IF=800mA RJP ___ --

\diamond Electrical / Optical Characteristics(Ta=25C°)

Notes:

1. Torlerance of measurement of fowward voltage ± 0.1 V.

2. Torlerance of measurement of peak wavelength ± 2.0 nm.

3. Torlerance of measurement of luminous intensity $\pm 15\%$.



OYO LED ELECTRONICS LIMITE

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