



TOYO LED ELECTRONICS LIMITED

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

Tel : (852) 2540 7288
http://www.toyo-led.com

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



P/N: TY-HP3UR-S

High Power LEDs Series

SPECIFICATION FOR CUSTOMER APPROVAL

P/N: TY-HP3UR-S

DATE : September 14, 2015

PREPARED BY : Chen Li fen

CONFIRMED BY :

PLEASE CONFIRM & SIGN BACK THIS SHEET TO US

CUSTOMER: _____

(COMPANY CHOP)

APPROVAL BY: _____

(SIGNATURE)



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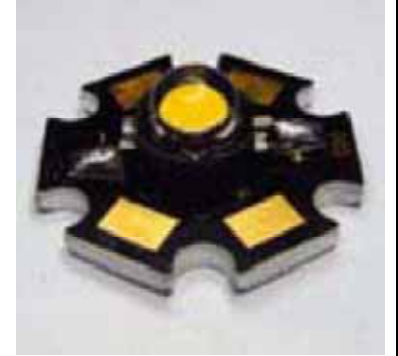


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◆ Features:

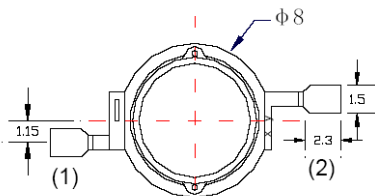
- 3 W High Power LED
- Emitted color: RED
- Silica package
- Long operating life



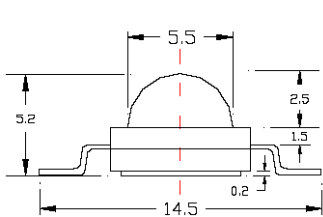
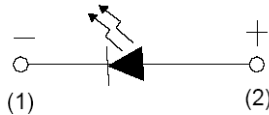
◆ Application

- General lighting
- Architectural Lighting
- Decoration lighting
- Advertisement

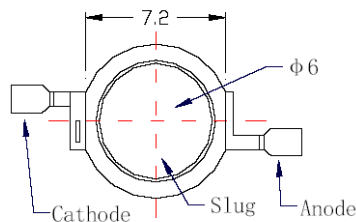
◆ Package Dimensions



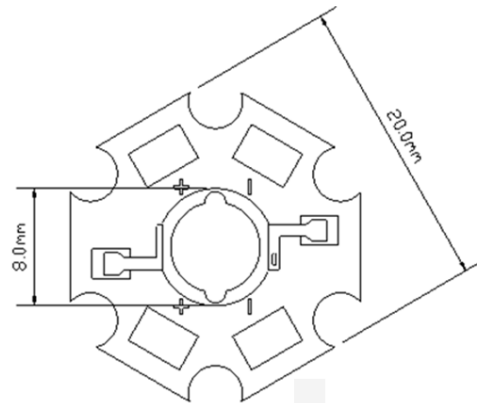
Top View



Side View



Bottom View



NOTES :

1. All dimensions are in millimeter[unit];
2. Tolerance is±0.1mm unless other specified;
3. Specifications are subject to change without notice.



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Part No.	Emitted Color	Lens Color
TY-HP3UR-S	RED	Water Clear

◇ Absolute Maximum Ratings(Ta=25)

Item	Symbol	Maximum	Unit
Power Dissipation	PD	3	W
Continuous Forward Current	I _{Fmax}	700	mA
Peak Forward Current(1/10 Duty Cycle 0.1ms Pulse Width)	I _{FP}	1000	mA
Reverse Voltage	V _R	5	V
Operating Temperature Range	T _{opr}	-25 to+75	
Storage Temperature Range	T _{stg}	-40 to+80	
Hand Soldering Temperature	Tsol	350±20 /3 ~ 5sec	

◇ Electrical/Optical Characteristics(Ta=25)

Item	Symbol	Condition	Min.	Typ.	Max.	Unit
Forward Voltage	V _F	I _F =700mA	2.3	---	2.6	V
Luminous Flux		I _F =700mA	---	50	---	lm
Color Temperature	λ _d	I _F =700mA	620	---	625	nm
Viewing Angle	2θ1/2	I _F =700mA	---	140	---	Deg
Reverse Current	I _R	V _R =-5V			10	μA



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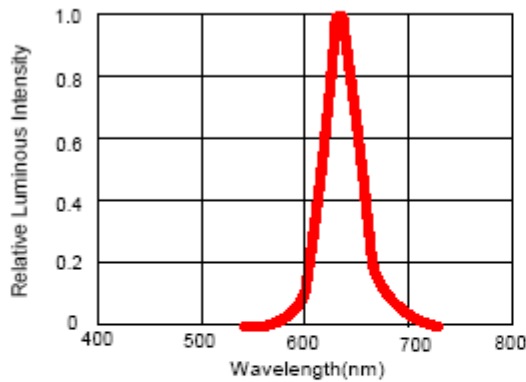


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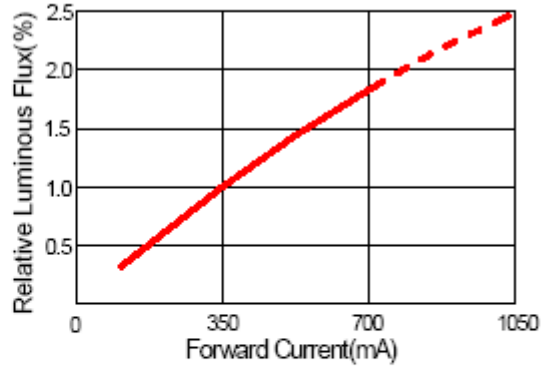
High Power LEDs Series

◇ Typical Electro-Optical Characteristic Curve

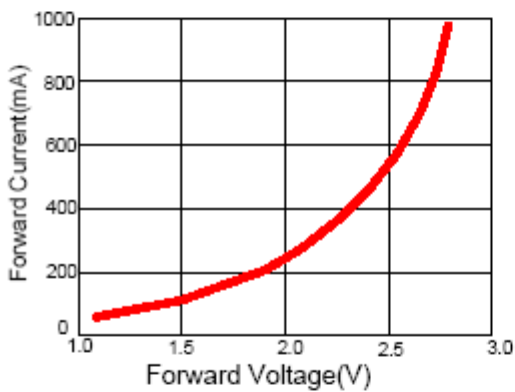
Relative Spectral Distribution



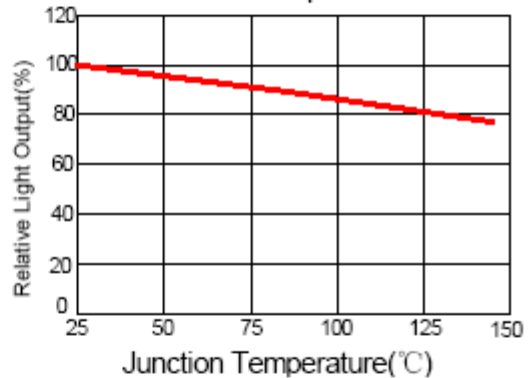
Relative Luminous Flux VS Forward Current



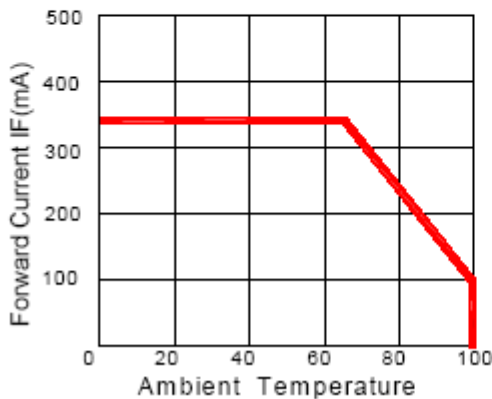
Forward Current VS Forward Voltage



Relative Light Output VS Junction Temperature



Ambient Temperature VS Forward Current



Radiation Diagram

