

FOYO LED ELECTRONICS LIMITED

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

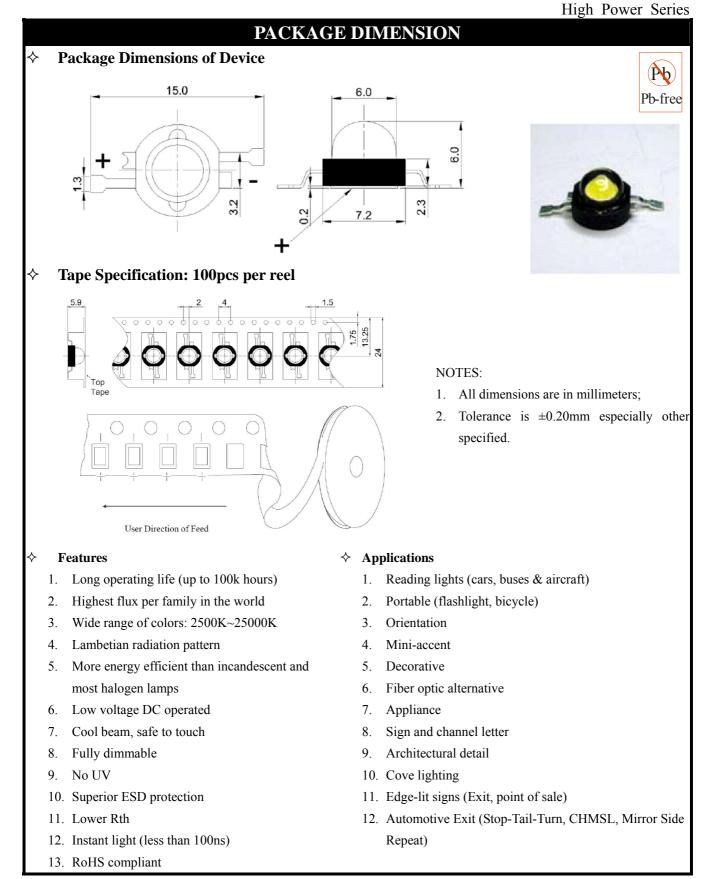
Fax: (852) 2517 1797 email: sales@toyo-led.com



P/N: TY-HP5WW

Tel: (852) 2540 7288

http://www.toyo-led.com





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High Power Series

♦ Absolute Maximum Ratings(Ta=25C°)							
Item	Symbol	Maximum	Unit				
Forward Current	IF	1.2	А				
Peak Forward Current*	Ifp	1.3	А				
Reverse Voltage	VR	5	V				
Power Dissipation	PD	5	W				
Electrostatic Discharge	ESD	±500	V				
Operating Temperature Range	Topr	-40 ~ +80	°C				
Storage Temperature Range	Tstg	-40 ~ +100	°C				
Lead Soldering Temperature**	Tsol	Max. 260°C for 3sec Max.					
	1/10						

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

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**Our MCPCB is usual use for installation and connection during application, but the ability of heat disspation is not enough. If lighted, our high power stars will need better another type heat dissipation equipment. So we recommend the working time is not over 5~10 seconds without any heat dissipation 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.

Electrical / Optical Characteristics(Ta=25C°)

Interneur, optical characteristics(10 200)							
Item	Symbol	Min.	Тур.	Max.	Unit	Condition	
Forward Voltage	\mathbf{V}_{F}	3.2	3.6	4.0	V	IF=1.2A	
Reverse Current	Ir			50	uA	VR=5V	
50% Power Angle	201/2	110		140	deg	IF=1.2A	
Luminous Intensity	$\Phi_{\rm V}$	145		170	lm	IF=1.2A	
Recommend Forward Current	IF		1.2		А		
Chromaticity	Te	2500		5000	K	IF=1.2A	
Thermal Resistance, Junction to Case	Rjp		18		°C/w	IF=1.2A	

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 $\pm 15\%$.



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