



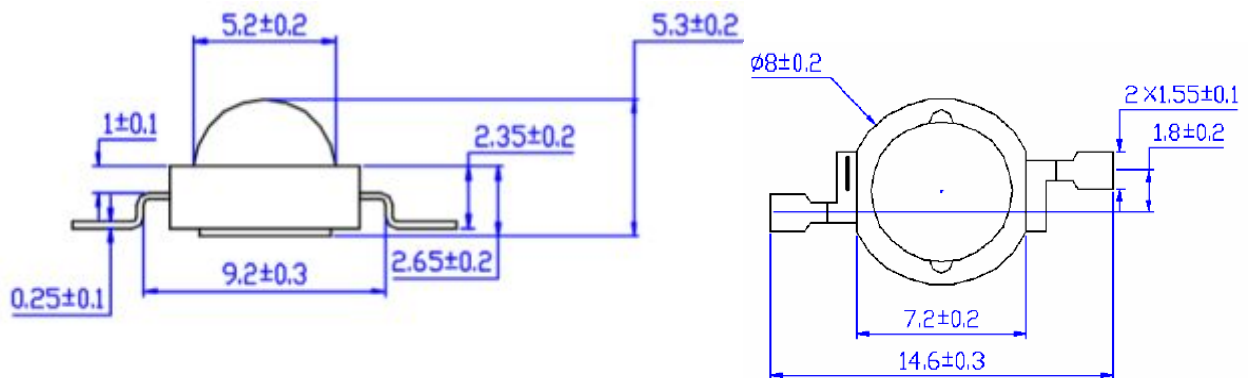
YETDA INDUSTRY LTD.

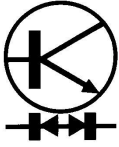
3W HIGH POWER LED (EMITTER-6) UV081E

■ Features (產品特性)

- Long operating life 長壽命
- Reduced maintenance costs 低維護成本
- More energy efficient 高能效
- Low voltage DC operated 低電壓直流驅動
- Instant light (less than 100ns) 啟動快
- RoHS compliant 符合RoHS標準

PACKAGE





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Typical Optical/ Electrical Characteristics @T_J=25°C

Item	Symbol	Condition	Min.	Typ.	Max.	Unit
Forward Voltage	V _F	I _F =700mA	3.2		3.8	V
Reverse Current	I _R	V _R =5V			5	uA
Viewing Angle	2θ _{1/2}	I _F =700mA		140		deg
Luminous Intensity	φ _V	I _F =700mA	5		20	lm
Recommend Forward Current	I _F	--	350		700	mA
Wavelength	λ _D	I _F =700mA	390		400	nm

Notes:

1. Tolerance of measurement of forward voltage±0.1V.
2. Tolerance of measurement of peak Wavelength±2.0nm.
3. Tolerance of measurement of luminous intensity±15%.

Absolute Maximum Rating

Item	Symbol	Absolute Maximum Rating	Unit
Forward Current	I _F	700	mA
Peak Forward Current*	I _{FP}	750	mA
Reverse Voltage	V _R	5	V
Operation Temperature	T _{OPR}	-30~+60	°C
Storage Temperature	T _{STG}	-40~+90	°C
Lead Soldering Temperature*	T _{SOL}	Max. 230°C for 5sec Max.	

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

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

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