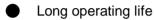




ATTENTION OBSERVE PRECAUTIONS FOR HANDLING ELECTROSTATIC DISCHARGE SENSITIVE DEVICES

Features



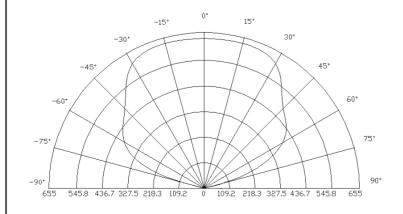
- Highest flux
- Available in Red
- Lambertian radiation pattern
- More energy efficient than incandescent and most halogen lamps
- Low voltage DC operated
- Cool beam, safe to the touch
- Instant light (less than 100ns)
- Fully dimmable
- No UV
- Superior ESD protection
- Eutectic die bonding
- RoHS compliant

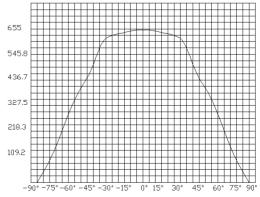


Applications

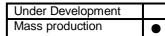
- Reading lights (car, bus, aircraft)
- LCD Backlights/light Guides
- Fiber optic alternative/ Decorative / Entertainment
- Mini-accent/Up lighters/Down lighters/
 Orientation
- Indoor/Outdoor commercial and Residential Architectural
- Cove/Under shelf/Task
- Bollards/Security/Garden
- Portable (flashlight, bicycle)
- Edge-lit signs (Exit, point of sale)
- Automotive Exit (Stop-Tail-Turn,CHMSL, Mirror Side Repeat)
- Traffic signaling / Beacons / RailCrossing and Wayside

Radiation Pattern









Typical Optical/ Electrical Characteristics @T_J=25℃

Item	Symbol	Condition	Min.	Тур.	Max.	Unit
Forward Voltage	V _F	IF=350mA	2.0		2.8	V
Reverse Current	I _R	VR=5v			50	uA
50% Power Angle	201/2	IF=350mA	110		140	deg
Luminous Intensity	φ _V	IF=350mA	34.9	39.8		lm
Recommend Forward Current	I _F			350		mA
Wave Length	λ_{d}	IF=350mA	620		630	nm
Thermal Resistance, Junction to Case	Rjp	IF=350mA		10		°C/w
Т	he sample	delivers goods	data			L
Item	Symbol	Condition	Min.	Avg.	Max.	Unit
Luminous Intensity	φv		37		38	lm
50% Power Angle	201/2					deg
Forward Voltage	V _F	IF=350mA	2.6	2.7	2.8	v
Wave Length	λ_{d}		621		622	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	١ _F	350	mA	
Peak Forward Current*	I _{FP}	500	mA	
Reverse Voltage	V _R	5	V	
Power Dissipation	P _D	1000	mW	
Electrostatic discharge	E _{SD}	±2000	V	
Operation Temperature	T _{OPR}	-40~+80	°C	
Storage Temperature	T _{STG}	-40~+100	°C	
Lead Soldering Temperature*	T _{SOL}	Max. 260°C for 3sec Max.		

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

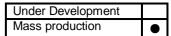
* All high power emitter LED products mounted on aluminum metal-core printed circuit board, can be lighted directly, but we do not recommend lighting the high power products for more than 5 seconds without a appropriate heat dissipation equipment.

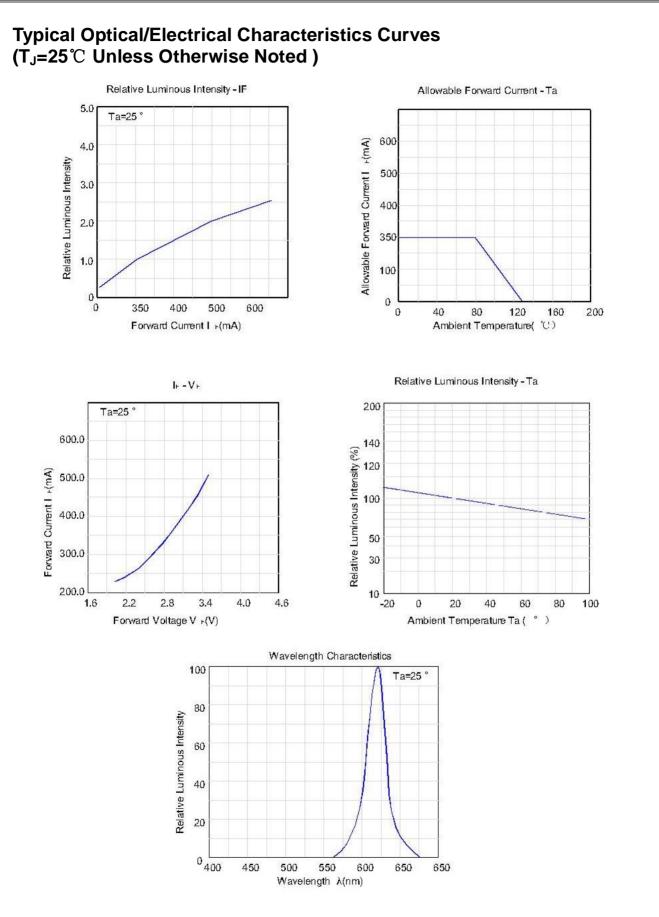
* Re-flow, wave peak and soak-stannum soldering etc. is not suitable for this products.

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

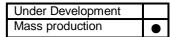
* Can use invariable-temperature searing-iron with soldering condition:<260 degree less than 3 seconds.



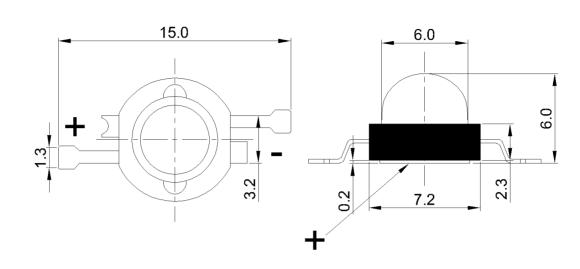








Package Dimensions



Notes:

- 1. All dimension units are millimeters.
- 2. All dimension tolerance is ±0.2mm unless otherwise noted.

Tape Specifications(Units:mm)

