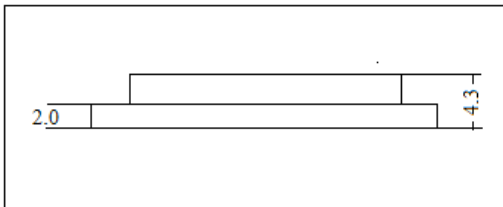
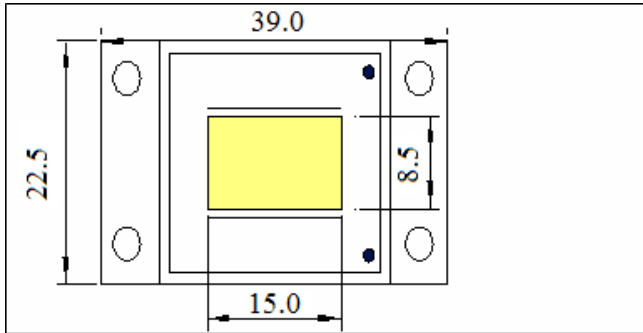


LED POWER

30W

Package Dimensions



Notes: 1. All dimension units are millimeters.
2. All dimension tolerance is $\pm 0.2\text{mm}$ unless otherwise noted.

Absolute Maximum Ratings at $T_a=25^\circ\text{C}$

Item	Symbol	Absolute Maximum Rating	Unit
DC Forward Current	I_F	1.8	A
Peak Forward Current	I_F	2	A
Reverse Voltage	V_R	25	V
Power Dissipation	P_D	30	w
Electrostatic discharge	ESD	± 4500	V
Operation Temperature	T_{opr}	$-40\sim+80$	$^\circ\text{C}$
Storage Temperature	T_{stg}	$-40\sim+100$	$^\circ\text{C}$
Lead Soldering Temperature	T_{sol}	Max. 260°C for 6 seconds Max.	

Notes: * IFP Conditions: pulse Width $\leq 10\text{msec}$.
* 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.

Electrical Optical Characteristics at $T_a=25^\circ\text{C}$

Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Condition
Forward Voltage	V_F	16	---	18	v	$I_F=1.8\text{A}$
Reverse Current	I_R	---	---	50	uA	$V_R=5\text{v}$
50% Power Angle	$2\theta_{1/2}$	---	160	---	deg	$I_F=1.8\text{A}$
Luminous Intensity	Φ_v	1500	---	2000	lm	$I_F=1.8\text{A}$
		2000	---	2500		
		2500	---	3000		
Chromaticity	T_c	6000	---	7000	K	$I_F=1.8\text{A}$

Notes: 1. Tolerance of measurement of forward voltage $\pm 0.1\text{V}$.
2. Tolerance of measurement of peak Wavelength $\pm 2.0\text{nm}$