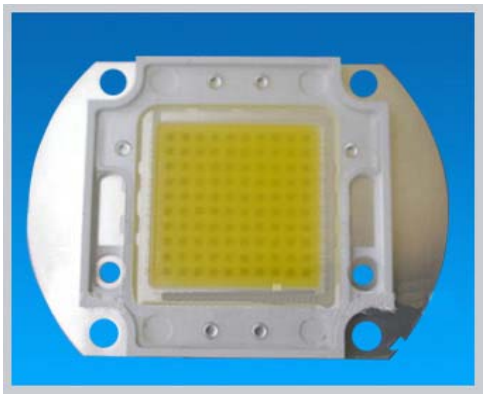
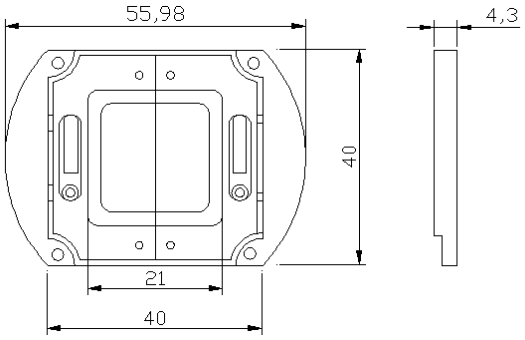
LED POWER (70W)



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

Package Dimensions



Absolute Maximum Ratings at Ta=25℃

Item	Symbol	Absolute Maximum Rating	Unit
DC Forward Current	I_F	2.1	A
Peak Forward Current	I_F	2.5	A
Reverse Voltage	V_R	50	V
Power Dissipation	P_D	80	w
Electrostatic discharge	ESD	±4500	V
Operation Temperature	Topr	-40~+80	℃
Storage Temperature	Tstg	-40~+100	℃
Lead Soldering Temp.	Tsol	Max.260℃ for 6 seconds Max.	
Life test	----	1000.0 H Luminous intensity weaken< 10%(2.1A,Ta=25); 50,000 H Luminous intensity weaken < 30% (2.1A,Ta=25);	

Notes: * IFP Conditions: pulse Width≤10msec.

* 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 Ta=25℃

Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Condition
Forward Voltage	V_F	33	---	36	v	I_f=2.1A
Reverse Current	I_R	---	---	50	uA	VR=50v
50% Power Angle	2θ1/2	---	160	---	deg	I_F=2.1A
Luminous Intensity	ϕ_v	3500	---	4200	lm	I_F=2.1A
		4200	---	5000		
		5000	---	5500		
Chromaticity	T c	6000	---	7000	K	I_F=2.1A

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%

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