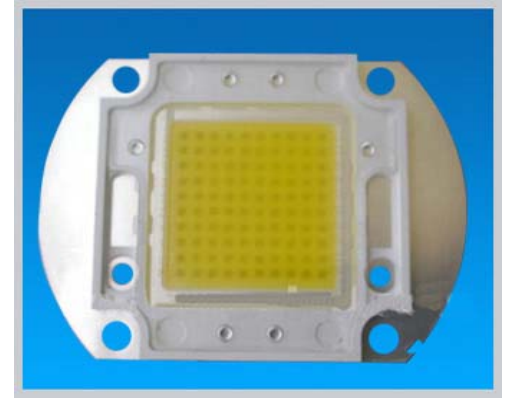
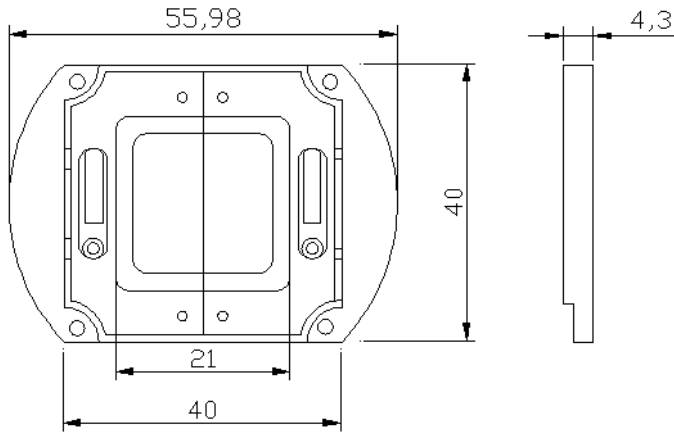


LED POWER (50W)

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	1.5	A
Peak Forward Current	I_F	2	A
Reverse Voltage	V_R	5	V
Power Dissipation	P_o	50	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	32	---	36	v	$I_F=1.5\text{A}$
Reverse Current	I_R	---	---	50	μA	$V_R=5\text{v}$
50% Power Angle	$2\theta_{1/2}$	---	160	---	deg	$I_F=1.5\text{A}$
Luminous Intensity	ϕ_v	3500	---	4000	lm	$I_F=1.5\text{A}$
Chromaticity	T_c	2800	---	3200	K	$I_F=1.5\text{A}$

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

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