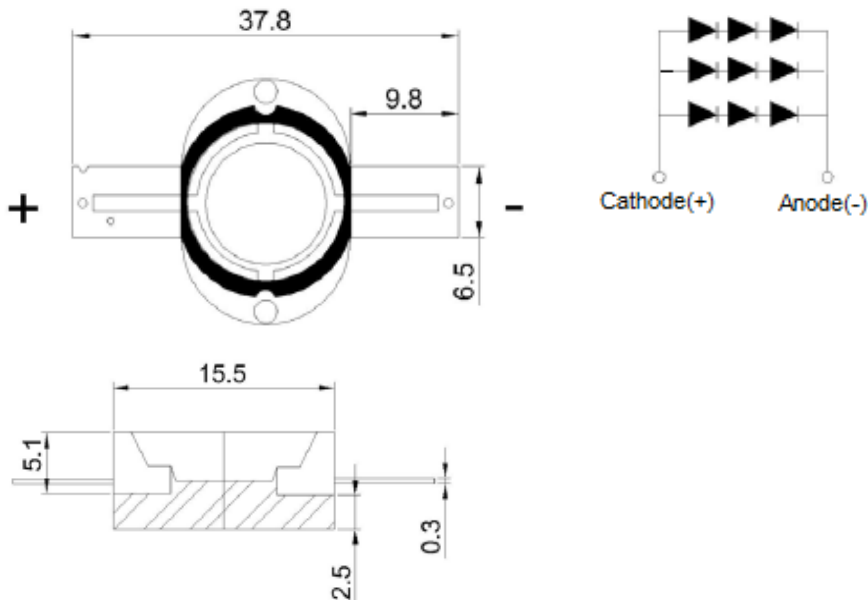


LED POWER (10W)

Mechanical Dimensions:



Note:

1. All dimensions are in millimeters.
2. All dimensions without tolerances are for reference only.
3. Material as follows:
Package: Heat-Resistant Polymer
Electrodes: Cu Plating Copper Alloy

Absolute Maximum Ratings at Ta=25°C

Item	Symbol	Absolute Maximum Rating	Unit
DC Forward Current	I_F	900	mA
Peak Forward Current	I_F	1	A
Reverse Voltage	V_R	5	V
Power Dissipation	P_D	10	w
Electrostatic discharge	ESD	± 4500	V
Operation Temperature	T_{opr}	-40~+80	°C
Storage Temperature	T_{stg}	-40~+100	°C
LeadSoldering Temperature	T_{sol}	Max.260°C for 6 seconds Max.	

Notes:* IFP Conditions: pulse Width $\leq$ 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°C

Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Condition
Forward Voltage	V_F	11	---	12	v	$I_F=900mA$
Reverse Current	I_R	---	---	50	μA	$V_R=5v/W$
50% Power Angle	$2\theta_{1/2}$	---	160	---	deg	$I_F=900mA$
Luminous Intensity	ϕ_v	500	---	600	lm	$I_F=900mA$
		700	---	800		
		800	---	900		
Chromaticity	T_c	6000	---	7000	K	$I_F=900mA$

- Notes:**1.Tolerance of measurement of forward voltage $\pm 0.1V$.
2.Tolerance of measurement of peak Wavelength $\pm 2.0nm$.
3.Tolerance of measurement of luminous intensity $\pm 15\%$.

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