BEELED

СВЕТОДИОДЫ BEELED - ТЕХНИЧЕСКОЕ ОПИСАНИЕ

Product name： P200CW243

Version No.： 01

Product Description：

- 200 Watts high power LED
- Colloid Color： Yellow
- Emission Color: white
- Viewing Angle:140º
- Chip: 45mil Bridgelux;
- Chips array:10 series 20 parallels ;

Dice Material： InGaAlN

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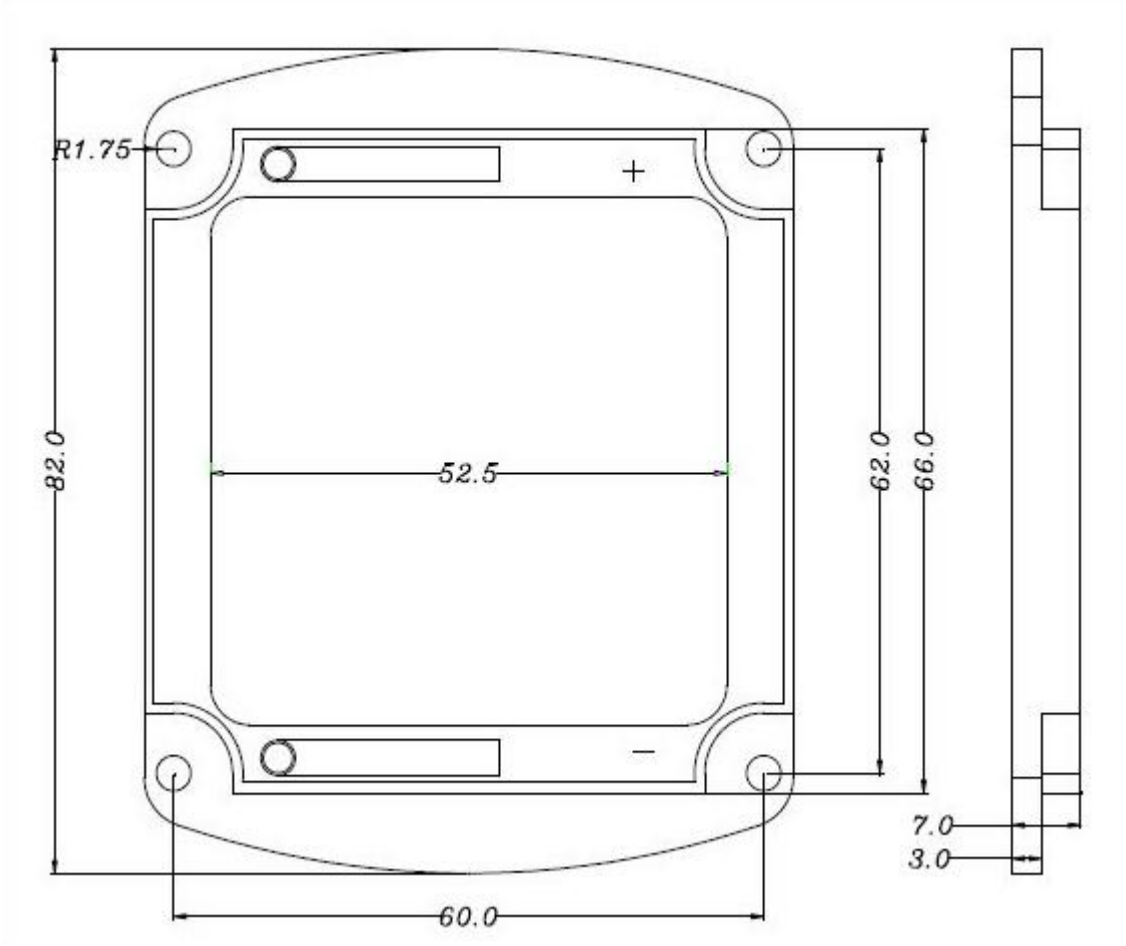
Outline Drawing



Notes：

1. All dimensions area in mm tolerance is ±0.25mm unless otherwise noted.
2. An epoxy meniscus may extend about 1.2mm down the leads.
3. Burr around bottom of epoxy may be 0.5mm max.

Product Application：

1	Indicators
2	Illuminations
3	Automobile’ s Applications

Absolute Maximum Ratings（Ta = 25℃）

Items	Symbol	Maximum	Units
DC Forward Current	I_F	6000	mA
Peak pulse current	I_{Pulse}	8000	mA
Reverse Voltage	V_R	50	V
Power consumption	P_D	200	W
Operation Temperature	T_{opr}	-20～+75	℃
Storage Temperature	T_{stg}	-30～+80	℃
Lead Soldering Temperature	T_{sol} (3mm from the base of the body)	Max 260℃ for 5 sec Max.	

＊Pulse width≤0.1msec　duty≤1/10

Product Optical Properties（Ta = 25℃）

Item	Symbol	Conditions	Min	Average	Max	Units
Forward Voltage	V_F	I_F =6000mA	30	33	34	V
Reverse current	I_R	V_R =50V	---	200	---	μA
Color Temperature	CCT	I_F =6000mA	4000	---	4500	K
Peak Wavelength	λp	I_F =6000mA	----	---	----	nm
Luminous Intensity	I_V	I_F =6000mA	20000	---	25000	lm
50% power Angle	$2\theta^{1/2}$H-H	I_F =6000mA	---	145	---	deg
	$2\theta^{1/2}$V-V	I_F =6000mA		---	---	deg

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Absolute Maximum Ratings

Parameter	Symbol	Rating	Unit
		White	
DC Forward Current(mA)	If	6000	mA
Peak Pulse Current(mA)	If	8000	mA
Reverse Voltage	VR	50	V
LED Junction Temperature	Tj	125	℃
Operation Temperature	Topr	-40--100	℃
Storage Temperature	Tstg	-40--100	℃
Soldening Temperature	Tsol	260	℃
ESD Sensitivity	Vb	4000	V