BEELED

СВЕТОДИОДЫ BEELED – ТЕХНИЧЕСКОЕ ОПИСАНИЕ

Product Type： BLD-HP100UV3-E45

Version No.： 01

Product Description：

- 100 watt High Power LED
- Colloid Color： Transparent
- Emission Color: Purple
- Chip:45mil Epileds
- Viewing Angle:140°

Dice Material： GaInN

RoHS

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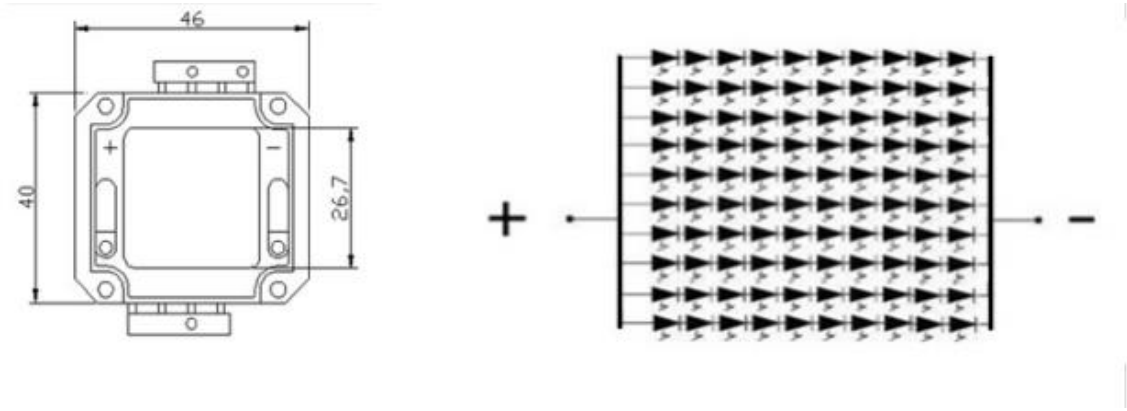
Outline Drawing



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.

Absolute Maximum Ratings（Ta = 25℃）

Items	Symbol	Maximum	Units
DC Forward Current	I_F	3500	mA
Peak forward current	I_{FP}	4000	mA
Reverse Voltage	V_R	50	V
Power consumption	P_D	100	W
Operation Temperature	T_{opr}	-20～+75	℃
Storage Temperature	T_{stg}	-30～+80	℃
Lead Soldering Temperature	T_{sol}	Max 260℃ for 5 sec Max. (3mm from the base of the body)	

＊Pulse width≤0.1msec duty≤1/10

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Product Optical Properties（Ta = 25℃）

Item	Symbol	Conditions	Min	Averag e	Max	Units
Forward Voltage	V_F	I_F =3500mA	30	----	34	V
	V_F	I_F =4000mA	30	-----	34	V
Reverse current	I_R	V_R =50V	---	-----	100	μA
Peak Wavelength	λp	I_F =3500mA	380	-----	390	nm
Chromaticity Coordinates	X	I_F =3500mA	-----	-----	---	----
	Y	I_F =3500mA	-----	------	----	----
Luminous Flux	I_V	I_F =3500mA	700	----	800	lm
50% power Angle	$2\theta^{1/2}$H-H	I_F =3500mA	---	70	---	deg
	$2\theta^{1/2}$V-V	I_F =3500mA	-----	---	---	deg

Absolute Maximum Ratings

Parameter	Symbol	Rating	Unit
		Purple	
DC Forward Current(mA)	If	3500	mA
Peak Pulse Current(mA)	If	4000	mA
Reverse Voltage	VR	50	V
LED Junction Temperature	Tj	125	℃
Operation Temperature	Topr	-20--65	℃
Storage Temperature	Tstg	-20--70	℃
Soldening Temperature	Tsol	260	℃
ESD Sensitivity	Vb	4000	V