



СВЕТОДИОДЫ BEELED - ТЕХНИЧЕСКОЕ ОПИСАНИЕ

Product Name: BLD-HP030UV1-E45

Version No.: 01

Product Description:

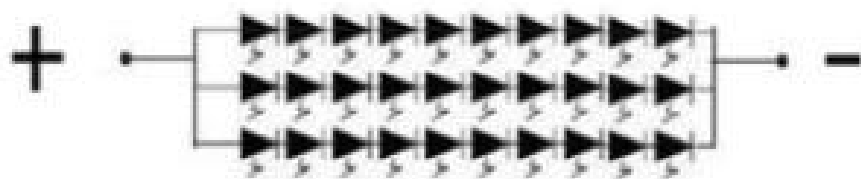
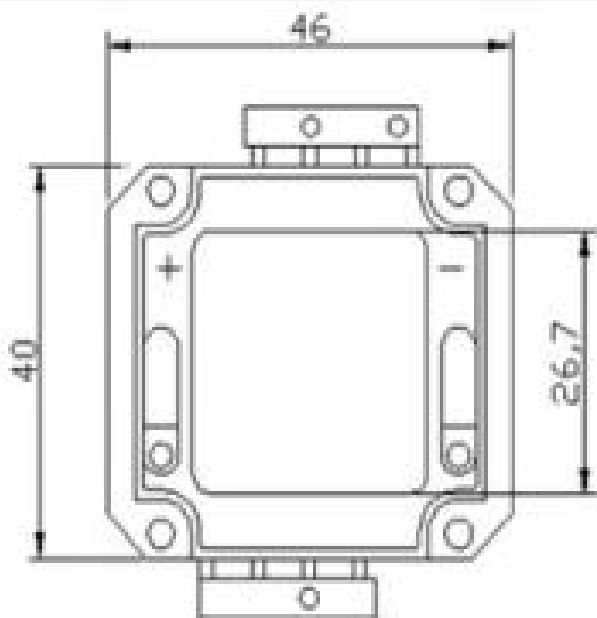
- 30 Watts high power LED
- Chip Brand: 45mil Epileds
- Colloid Color: Water clear
- Emission Color: Purple
- Viewing Angle: 140°

Dice Material: InGaAlN



BEELED

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Unit: mm

Notes:

1. All dimensions area in mm tolerance is $\pm 0.25\text{mm}$ 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.



СВЕТОДИОДЫ BEELED - ТЕХНИЧЕСКОЕ ОПИСАНИЕ

Absolute Maximum Ratings (Ta = 25℃)

Items	Symbol	Maximum	Units
DC Forward Current	I_F	900	mA
Peak pulse current	I_{Pulse}	1050	mA
Reverse Voltage	V_R	30	V
Power consumption	P_D	30	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 $\leq$ 0.1msec duty $\leq$ 1/10

Product Optical Properties (Ta = 25℃)

Item	Symbol	Conditions	Min	Average	Max	Units
Forward Voltage	V_F	$I_F = 900\text{mA}$	30	32	34	V
Reverse current	I_R	$V_R = 30\text{V}$	---	80	---	μA
Peak Wavelength	λ_p	$I_F = 1050\text{mA}$	440	---	445	nm
Luminous Intensity	I_v	$I_F = 1050\text{mA}$	300	---	500	lm
50% power Angle	$2\theta^{1/2}_{H-H}$	$I_F = 900\text{mA}$	---	145	---	deg
	$2\theta^{1/2}_{V-V}$	$I_F = 900\text{mA}$	---	---	---	deg



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Absolute Maximum Ratings

Parameter	Symbol	Rating	Unit
		Purple	
DC Forward Current(mA)	If	900	mA
Peak Pulse Current(mA)	If	1500	mA
Reverse Voltage	VR	50	V
LED Junction Temperature	Tj	125	°C
Operation Temperature	Topr	-40--100	°C
Storage Temperature	Tstg	-40--100	°C
Soldening Temperature	Tsol	260	°C
ESD Sensitivity	Vb	4000	V
