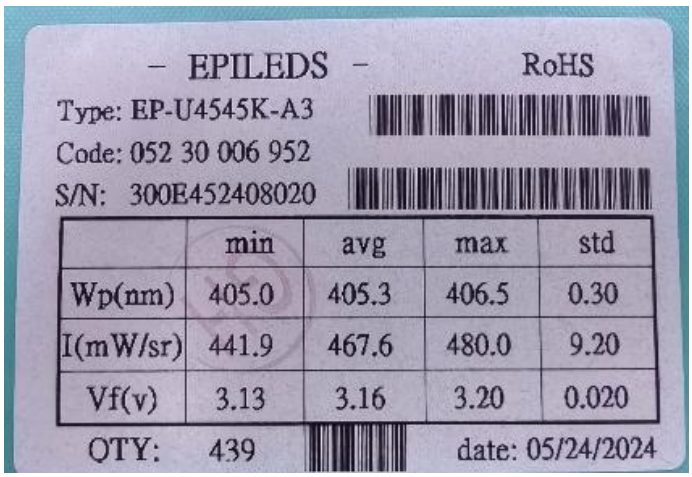
СВЕТОДИОДЫ BEELED – ТЕХНИЧЕСКОЕ ОПИСАНИЕ

Product Type：BLD-HP010UV2-E45

Version No. 01

Product Description：

- 10 watts High Power LED
- Colloid Color：Transparent
- Emission Color: purple
- Viewing Angle:140°



Dice Material：GaInN

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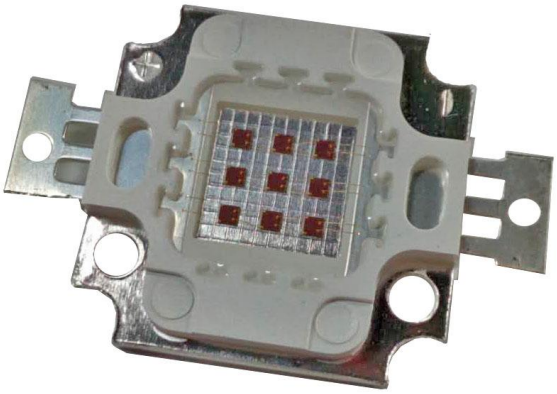
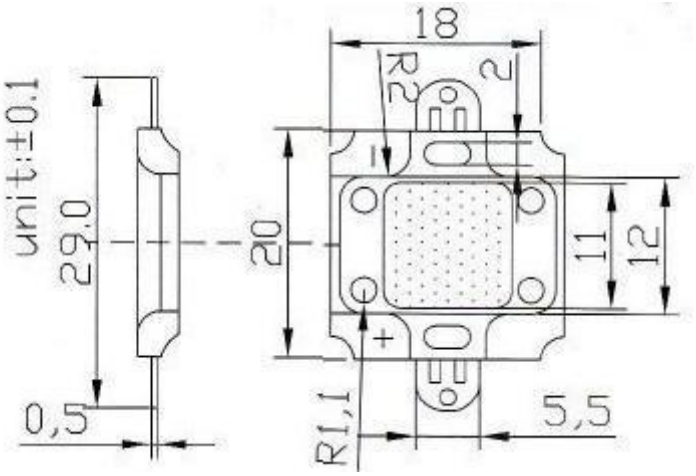
Outline Drawing



9 series 1 parallel.



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.

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Absolute Maximum Ratings（Ta = 25℃）

Items	Symbol	Maximum	Units
DC Forward Current	I_F	300	mA
Peak forward current	I_{FP}	350	mA
Reverse Voltage	V_R	5	V
Power consumption	P_D	10	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

Product Optical Properties（Ta = 25℃）

Item	Symbol	Conditions	Min	Averag	Max	Units
Forward Voltage	V_F	I_F=300mA	28.17	----	28.8	V
	V_F	I_F=350mA	28.17	----	28.8	V
Reverse current	I_R	V_R=5V	---	-----	10	μA
Peak Wavelength	λp	I_F=300mA	405	-----	406.5	nm
Chromaticity Coordinates	X	I_F=300mA	-----	-----	---	----
	Y	I_F=300mA	-----	------	----	----
Luminous Flux	I_V	I_F=300mA	270	----	360	lm
50% power Angle	$2\theta_{1/2}$H-H	I_F=300mA	---	60	---	deg
	$2\theta_{1/2}$V-V	I_F=300mA	----	---	---	deg

Absolute Maximum Ratings

Parameter	Symbol	Rating	Unit
		purple	
DC Forward Current(mA)	If	900	mA
Peak Pulse Current(mA)	If	900	mA
Reverse Voltage	VR	5	V
LED Junction Temperature	Tj	125	℃
Operation Temperature	Topr	-20--65	℃
Storage Temperature	Tstg	-20--70	℃
Soldering Temperature	Tsol	260	℃
ESD Sensitivity	Vb	4000	V