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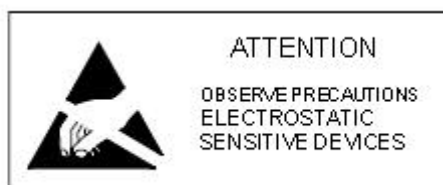
Product name: BLD-SMD3838UV-J280

Version No.: 01

Product Description:

- 0.5watt High Power LED
- Colloid Color: Transparent
- Emission Color: Purple
- Viewing Angle:60°
- Forward current:100-160mA;
- Forward voltage:5.0V
- Rohs Compliant

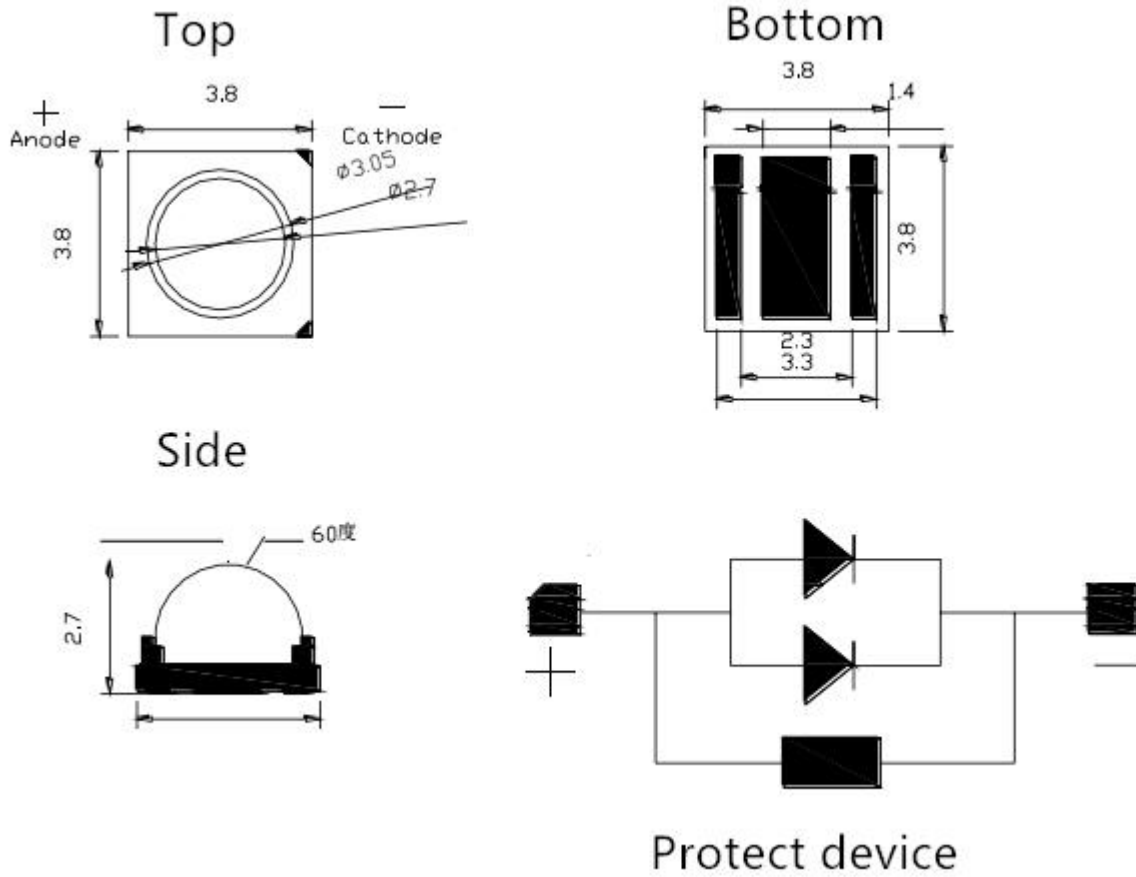
Dice Material: GaInN



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Outline Drawing



Unit:mm

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Absolute Maximum Ratings Ta=25°C

Parameter	Symbol	Value			Unit	Test condition
		Min.	Typ.	Max.		
Forward Voltage	Vf	5.0	5.25	5.5	V	If=100mA
Peak Wavelength	λ_p	275	280	285	nm	If=100mA
Reverse Current	Ir	-	-	10	μ A	Vr=5V
Viewing angle	2 θ 1/2	-	60	-	Deg	If=100mA
Power density	MW		20		MW	If=100mA

Duty 1/10 Pulse Width 0.1ms.

Soldering time max 10sec

please refer to I F-Ta diagram of curves for the temperature during application

Characteristics

Item	Symbol	Value	Unit
Power Dissipation/DICE	PD	0.52	W
DC Forward Current/DICE	IF	100	mA
Single Chip Pulsed Forward Current	IFP	160	mA
Reverse Voltage	VR	5	V
Operating Temperature	Topr	-30 ~ +80■	°C
Storage Temperature	Tstg	-40 ~ +100	°C
Soldering Temperature	Tsol	260for5secΔ	°C