

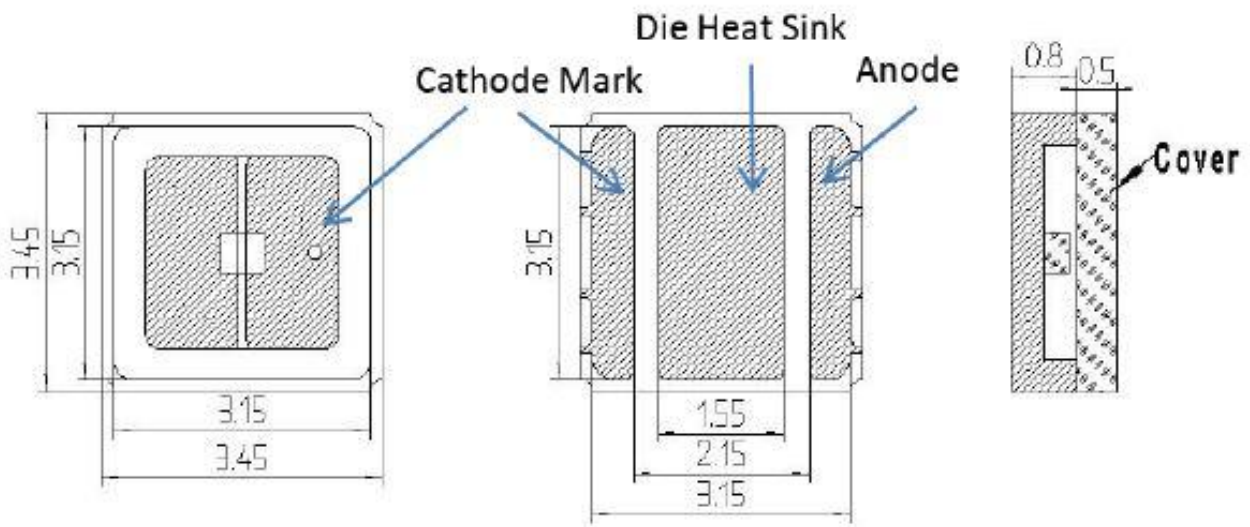
UV C LED 3535

SMD 3535 UVC LED 100mA type 6-8mW output, with a competitive price.

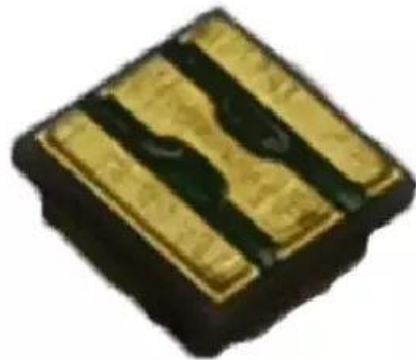
PART NO.: AL-H35GAU27-E6IACD

Features :

1. Chip Material: InGaN
2. Lens Color: Water Clear
3. Lens Material: Au plating on Cu Substrate
4. Emitting Color: UV
5. Pb free.
6. The product itself will remain within RoHS compliant version.

Package Dimensions**Notes:**

1. All dimensions are in mm.
2. Tolerance is ± 0.25 mm unless otherwise noted.



Technical data sheet:

Absolute Maximum Ratings at Ta=25 °C:

Parameter	Symbol	Maximum	Unit
Power Dissipation	Pd	0.8	W
Peak Forward Current (Duty 1/10 400msec Pulse Width)	IFP	200	mA
Forward Current	IF	100	mA
Thermal Resistance, Junction-Case	Rth, J-C1	15	°C/W
Electrostatic Discharge (HBM)	ESD	4000	V
LED Junction Temperature	TJ	125	°C
Operating Temperature Range	Topr	-30°C to +60°C	
Storage Temperature Range	Tstg	-30°C to + 100°C	
Lead Soldering Temperature[2.0mm from body]	Tsol	Reflow Soldering : 175 °C for 10 sec.	

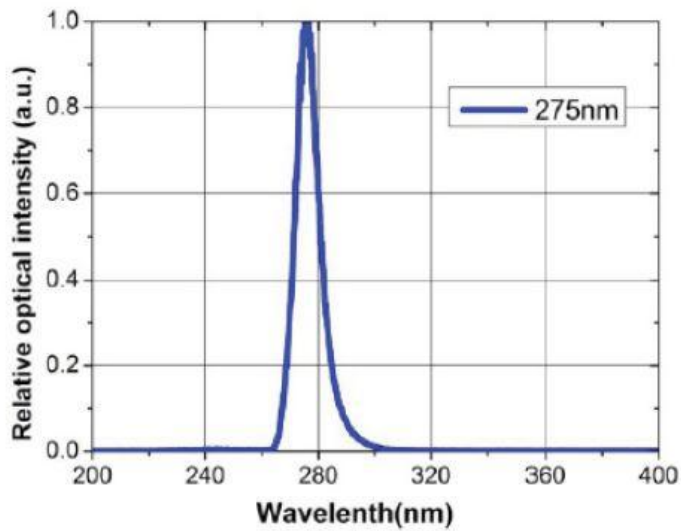
Electrical and Optical Characteristics:

Parameter	Symbol	Test Condition	Min.	Typ.	Max.	Unit
Radiated Flux	Φe	IF=100mA	6	8	-	mW
Radiant Irradiance	Ee	IF=100mA	-	2.0	-	mW/cm2
Peak Wavelength	λp	IF=100mA	270	275	280	nm

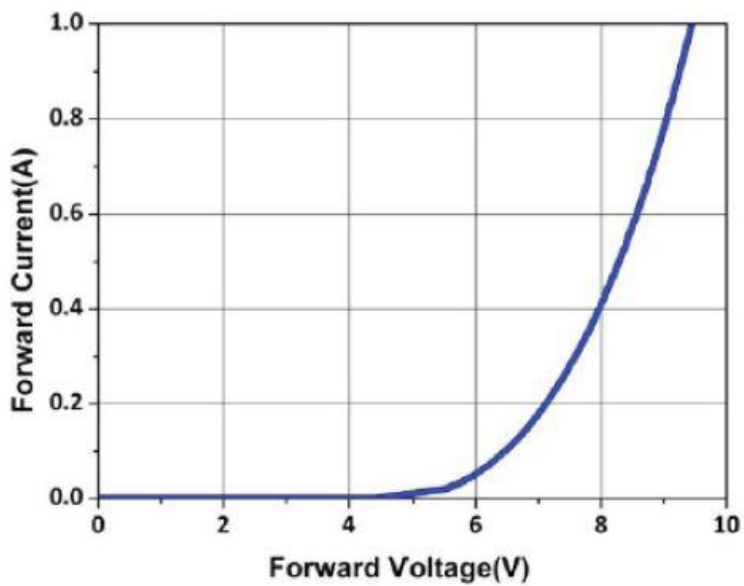
Spectrum Line Halfwidth	$\Delta\lambda$	IF=100mA	-	11	-	nm
Forward Voltage	VF	IF=100mA	5.5	6.5	8	V
Viewing Angle	2 θ 1/2	IF=100mA	-	120	-	Deg
Reverse Current	IR	V R=5V	-	-	50	uA

- Note: 1. Forward voltage measurement allowance is $\pm 0.2V$.
2. Radiant flux measurement allowance is $\pm 10\%$.
3. Irradiance tested at a distance 10mm from Al reflector.
4. Wavelength measurement allowance is $\pm 3nm$.

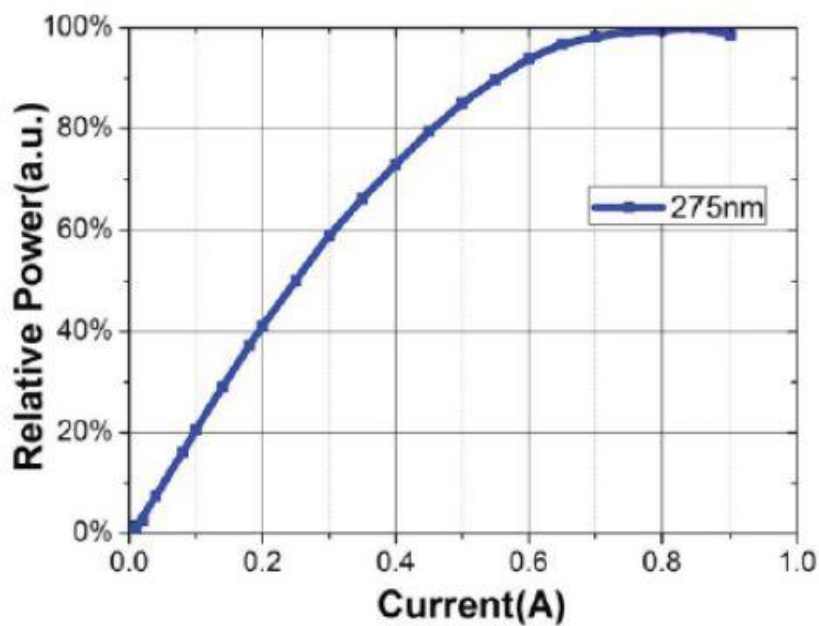
Relative Spectral distribution



I-V Characteristic

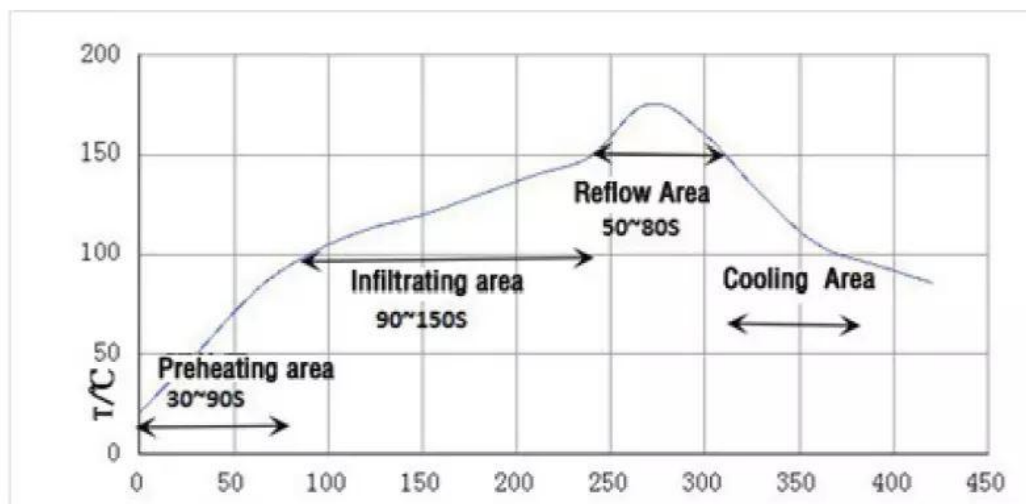


Radiated power VS current



Usage Notice:

It is recommended to use low temperature solder paste for reflow, and the temperature curve is shown in the following diagram.



Applications:

1. Curing
2. Sterilization
3. Medical, nail dryer
4. Currency Verification, currency detector
5. Fluorescence Microscopy
6. Inspection of dyes, rodent and animal contamination
7. Leak detection



Shipping:

1. FedEx/DHL/UPS/TNT for samples, Door-to-Door
2. By Air or by Sea for batch goods, for FCL; Airport Port receiving
3. Customers specifying freight forwarders or negotiable shipping methods
4. Delivery Time. 3-7 days for samples; 5-25 days for batch goods

SHIPPING



In the absence of inventory, we will arrange production as soon as possible according to customer needs. Providing quality service to customers is the basic premise of our Sales. Welcome to inquire about our products!

WELCOME TO CONTACT US>>>>WWW.ZHIDINGLED.COM



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For UV sterilizer, water purification and disinfection and other medical application, 275nm SMD 3535 UVC led is your best choice!