

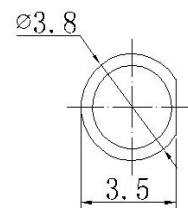
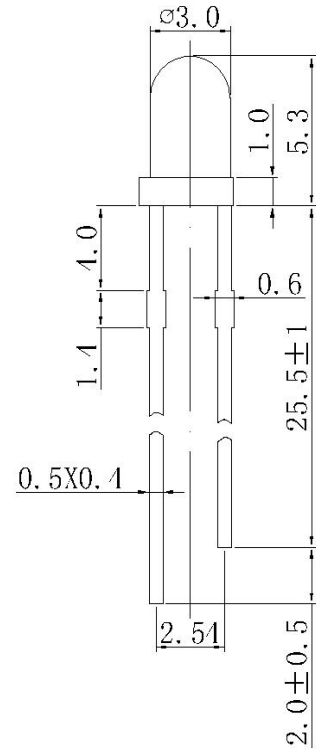


# Hubei Kento Electronic Co., Ltd

## Specification for LED Product

### 3AW4UD

Package Dimensions(mm)



Notes:

All dimension units are millimeters.

All dimension tolerance is  $\pm 0.2$ mm unless otherwise noted.

An epoxy meniscus may extend about 1.5mm down the leads.

Burr around bottom of epoxy may be 0.5mm max.

Synopsis:

3mm Round Type

Diffus Lens

Warm White LED Lamp

color temperatures

3000K



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### 3AW4UD

Typical Electrical & Optical Characteristics (Ta = 25°)

ITEMS	SYMBOL	CONDITIO	MIN.	TYP.	MAX.	UNIT
Forward Voltage	VF	IF = 20mA	2.8	3	3.4	V
Reverse Current	IR	VR = 5V	---	---	10	μA
Dominant Wavelength	λ D	IF = 20mA		---		nm
Luminous Intensity	IV	IF = 20mA	2500	3000	3500	mcd
50% Power Viewing Angle	2θ½	IF = 20mA	---	70	---	deg

Absolute Maximum Ratings at (Ta = 25°)

ITEMS	SYMBOL	ABSOLUTE MAXIMUM RATING	UNIT
Peak Forward Current	IFP	150	mA
Continuous Forward Current	IL	20	mA
Reverse Voltage	VR	5 , max. 9	V
Power Dissipation	PD		mW
Operation Temperature	Topr	-40 ~ +80	C
Storage Temperature	Tstg	-40 ~ +80	C
Lead Soldering Temperature	Tsol	Max.260°C for 5 sec Max.	

IFP Conditions Pulse Width 10msec duty 1/10

Tsol Conditions 4mm from the base of the epoxy bulb



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Spatial Distribution

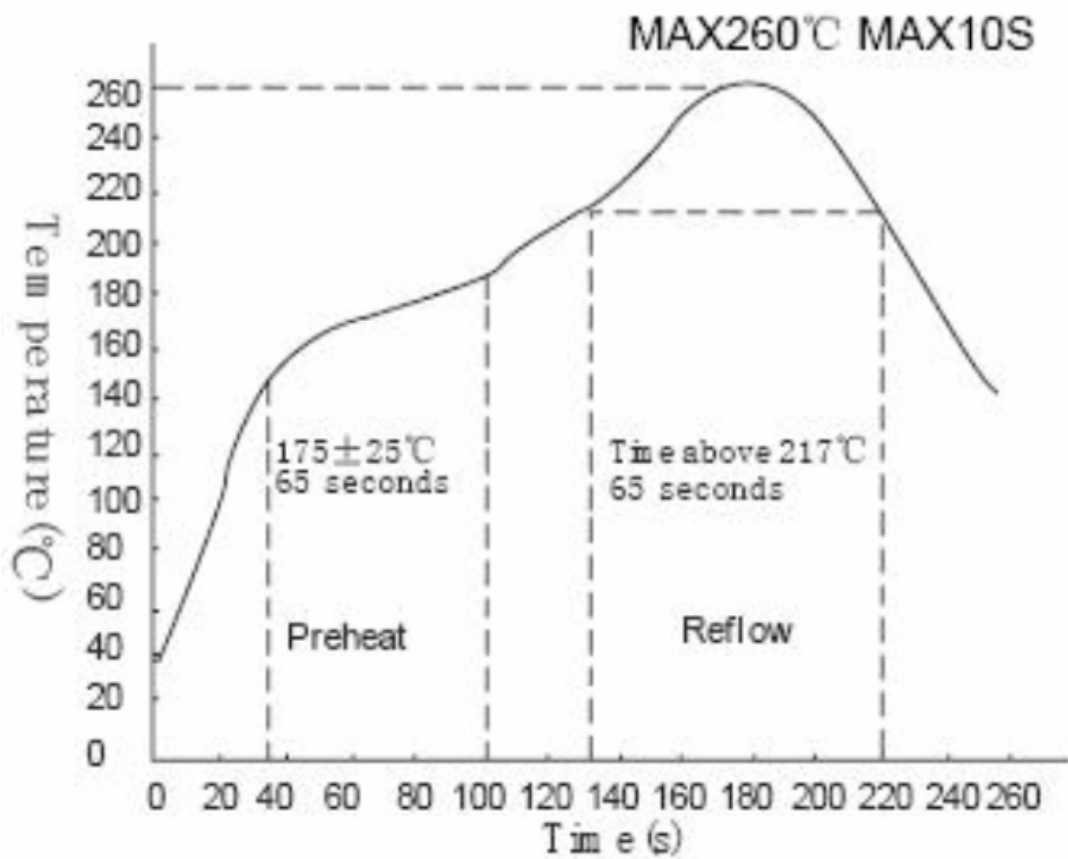
#### Reliability Performance

Test Classification	Test Item	Test Conditions	Test Duration	Sample Size	Standard
Life Test	Life Test	Ta=25°±5 IF=20mA	1000 hrs	10PCS	
Environment Test	Thermal Shock Test	-10°±5°←→+100°±5° 5min. 10sec. 5min.	100 cycles	10PCS	
	Temperature Cycle Test	5°±5°C←→+85°C±5° 30min. 5min. 30min.	100 cycles	10PCS	
	High Temperature High Humidity Test	Ta=85°±5% RH =85%±0.5 %RH	240 hrs	10PCS	
	High Temperature Storage	Ta=100°±5%	1000 hrs	10PCS	
	Low Temperature Storage	Ta=-55°±5%	1000 hrs	10PCS	
Mechanical Test	Resistance to Soldering Heat	Ta=260°±5%	5 sec.	10PCS	
	Lead Integrity	负荷2.5 牛顿(0.25 千克) 0° ~ 90° ~ 0°	3 times	10PCS	



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Reflow-Löten Temperaturkurve

