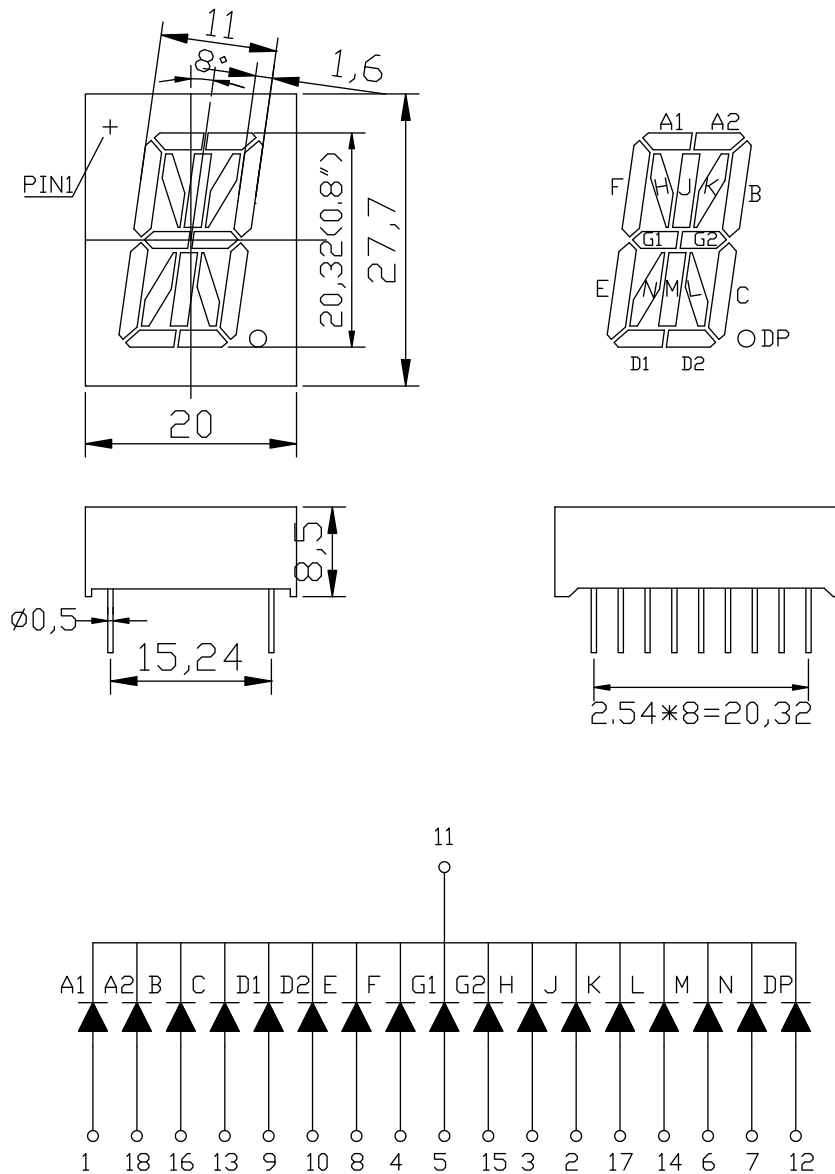


### ■ Package Dimension:



### Notes:

1. All dimensions are in millimeter.
2. An epoxy meniscus may extend about 0.25mm(0.1") down to the lead
3. Tolerances unless Dimension  $\pm 0.25$ mm.

LED Parts P/N.	Chip		Lens Color
	Material	Emitted Color	
ASDA-080CG-004	AllnGaP	Green	---

■ Absolute Maximum Ratings at Ta=25°C

Parameter	Symbol	Rating	Unit
Continuous Forward Current	$I_F$	20	mA
Operating Temperature	Topr	-35~+80	°C
Storage Temperature	Tstg	-35~+80	°C
Soldering Temperature	Tsol	260±3	°C
Power Dissipation	$P_D$	50	mW
Peak Forward Current (Duty 1/10@1KHz)	$I_F$ (Peak)	100	mA
Reverse Voltage	$V_R$	5	V

■ Electronic Optical Characteristics :

Parameter	Symbol	Min.	Typ.	Max.	Unit	Condition
Luminous Intensity	$I_V$			80	mcd	$I_F=20mA$
Peak Wavelength	$\lambda_p$	565	568	575	nm	$I_F=20mA$
Spectrum Radiation Bandwidth	$\Delta \lambda$	25	30	35	nm	$I_F=20mA$
Forward Voltage	$V_F$		2.2	2.6	V	$I_F=20mA$
Reverse Current	$I_R$	/	/	20	μA	$V_R=5V$

■ **Reliability test items and conditions :**

The reliability of products shall be satisfied with items listed below.

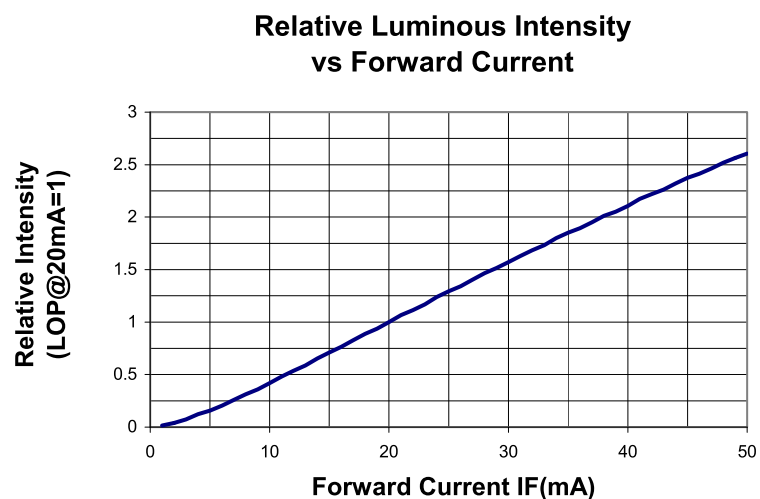
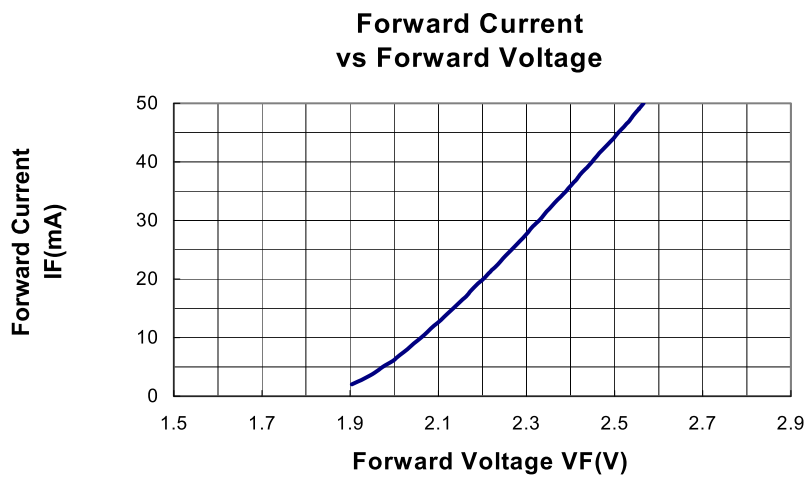
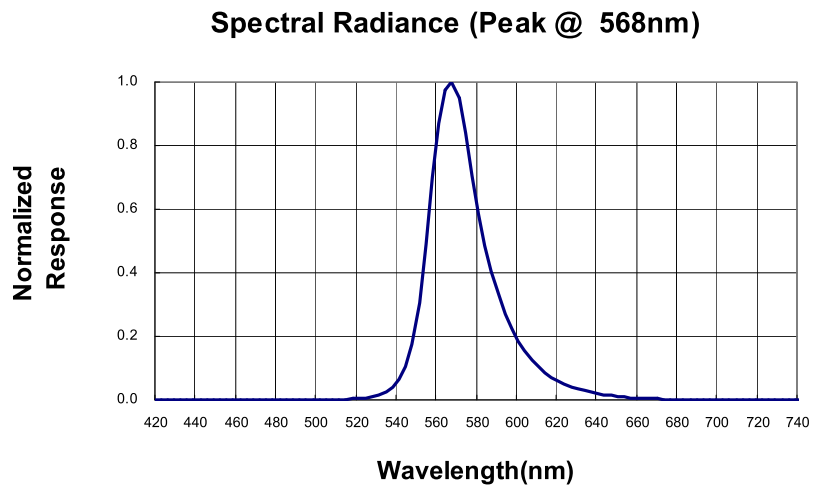
Confidence level: 90%

LTPD: 10%

NO	ITEM	Test Conditions	Test hours/cycle	Sample Q'ty	Ac/Re
1	Solder Heat	Temp : 260°C±3°C	5 sec	80 pcs	0/1
2	Temperature Cycle	H : +80°C 30min λ 5min L : -35°C 30min	100 cycles	80 pcs	0/1
3	Thermal Shock	H : +80°C 5min λ 10sec L : -35°C 5min	100 cycles	80 pcs	0/1
4	High Temperature Storage	Ta=80°C	1000 hrs	80 pcs	0/1
5	Low Temperature Storage	Ta=-35°C	1000 hrs	80 pcs	0/1
6	DC Operating Life	Temp : 25°C I <sub>F</sub> =20mA	1000 hrs	80 pcs	0/1
7	High Temperature / High Humidity	85°C / 85%RH	1000 hrs	80 pcs	0/1

## ■ Typical electro-optical characteristics curves :

The data typical, and the value is not guaranteed.



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