

Part No.

**ASDA-080CG**

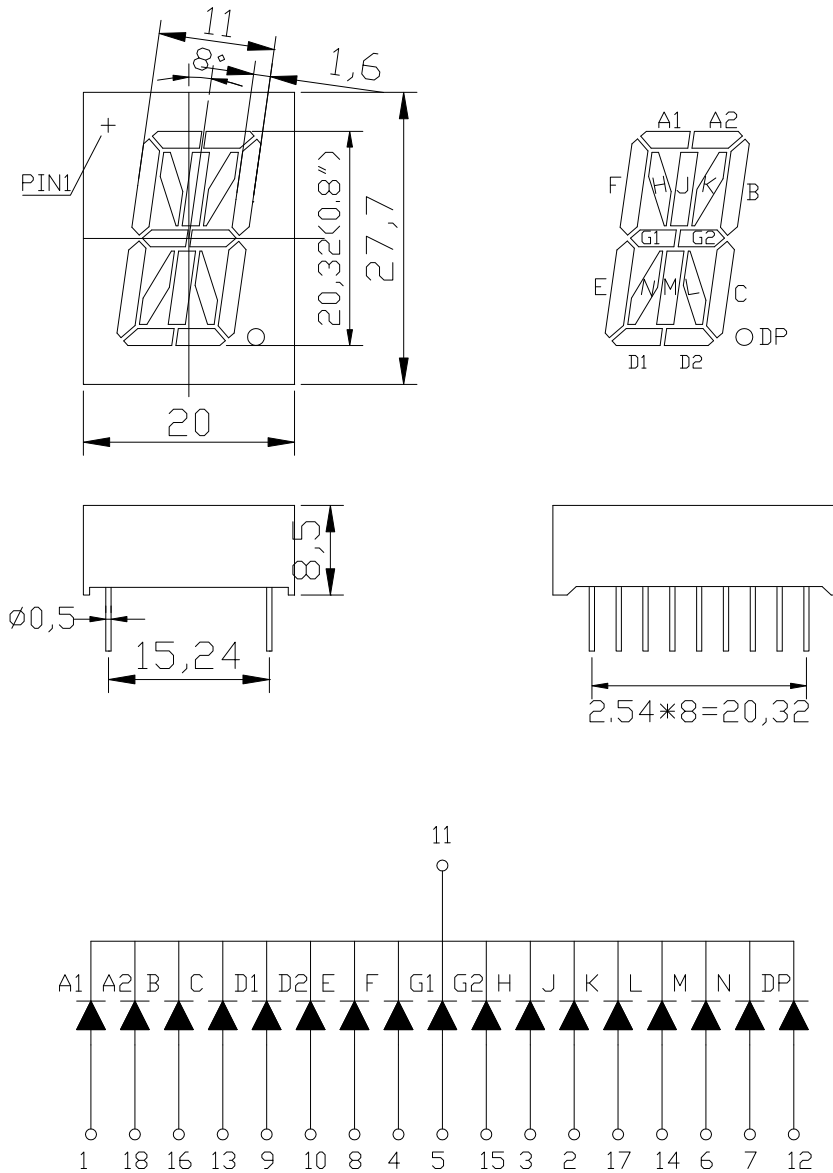
Diff No.115

0.8"

Single Digit

Type : Display

■ 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.

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

■ Absolute Maximum Ratings at Ta=25°C

Parameter	Symbol	Rating	Unit
Continuous Forward Current	$I_F$	50	mA
Operating Temperature	$T_{opr}$	-40~+80	°C
Storage Temperature	$T_{stg}$	-40~+80	°C
Soldering Temperature	$T_{sol}$	260±5	°C
Power Dissipation	$P_D$	100	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	$I_v$	7	15	25	mcd	$I_F=20mA$
Peak Wavelength	$\lambda_p$	563	568	573	nm	$I_F=20mA$
Spectrum Radiation Bandwidth	$\Delta\lambda$	25	30	35	nm	$I_F=20mA$
Forward Voltage	$V_F$	1.7	2.2	2.6	V	$I_F=20mA$
Reverse Current	$I_R$	/	/	100	μA	$V_R=5V$

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■ **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±5°C	5 sec	80 pcs	0/1
2	Temperature Cycle	H : +85°C 30min ∟ 5min L : -40°C 30min	100 cycles	80 pcs	0/1
3	Thermal Shock	H : +100°C 5min ∟ 10sec L : -10°C 5min	100 cycles	80 pcs	0/1
4	High Temperature Storage	Ta=100°C	1000 hrs	80 pcs	0/1
5	Low Temperature Storage	Ta=-40°C	1000 hrs	80 pcs	0/1
6	DC Operating Life	Temp : 25°C If=20mA	1000 hrs	80 pcs	0/1
7	High Temperature / High Humidity	85°C / 85%RH	1000 hrs	80 pcs	0/1

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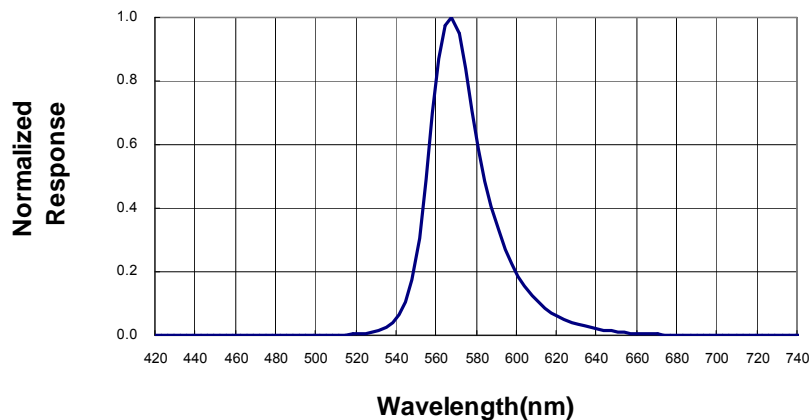
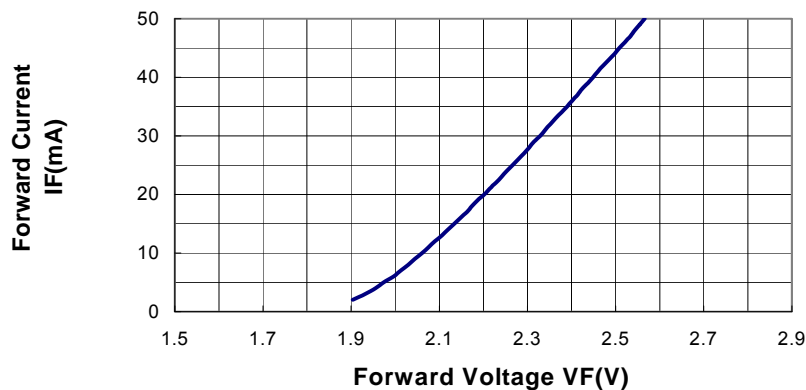
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**■ Typical electro-optical characteristics curves :**

The data typical, and the value is not guaranteed.

**Spectral Radiance (Peak @ 568nm)****Forward Current vs Forward Voltage****Relative Luminous Intensity vs Forward Current**