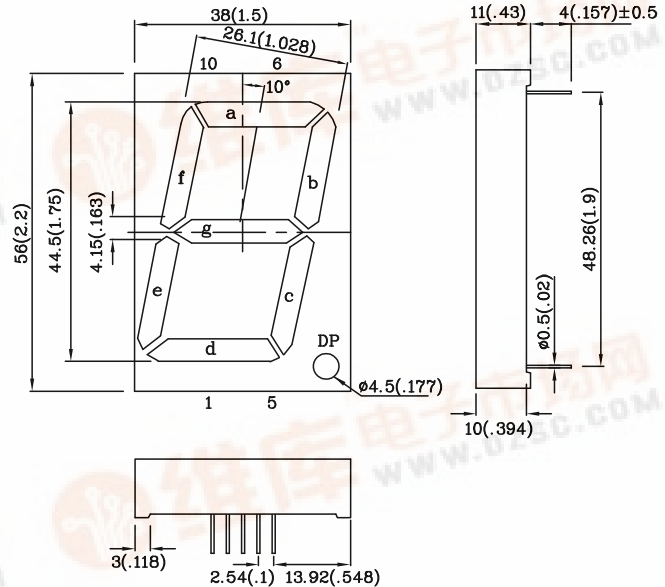
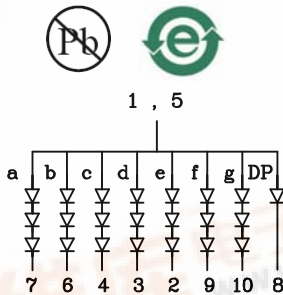


Features

- 1.75 INCH DIGIT HEIGHT.
- LOW CURRENT OPERATION.
- EXCELLENT CHARACTER APPEARANCE.
- EASY MOUNTING ON P.C. BOARDS OR SOCKETS.
- I.C. COMPATIBLE.
- CATEGORIZED FOR LUMINOUS INTENSITY.
- MECHANICALLY RUGGED.
- STANDARD : GRAY FACE, WHITE SEGMENT.
- RoHS COMPLIANT.



Notes:

1. All dimensions are in millimeters (inches).
2. Tolerance is $\pm 0.25(0.01)$ unless otherwise noted.
3. Specifications are subject to change without notice.

Absolute Maximum Ratings (TA=25°C)		UY (GaAsP/ GaP)	Unit
Reverse Voltage Per Segment Or (Dp)	VR	15(5)	V
Forward Current Per Segment Or (Dp)	IF	30	mA
Forward Current (Peak) 1/10 Duty Cycle 0.1ms Pulse Width Per Segment Or (Dp)	iFS	140	mA
Power Dissipation Per Segment Or (Dp)	PT	225(75)	mW
Operating Temperature	TA	-40 ~ +85	°C
Storage Temperature	Tstg	-40 ~ +85	
Lead Solder Temperature [2mm Below Package Base]	260°C For 3 ~5 Seconds		

Operating Characteristics (TA=25°C)		UY (GaAsP/ GaP)	Unit
Forward Voltage (Typ.) (IF=10mA) Per Segment Or (Dp)	VF	5.85(1.95)	V
Forward Voltage (Max.) (IF=10mA) Per Segment Or (Dp)	VF	7.5(2.5)	V
Reverse Current (Max.) (VR=15V(5V)) Per Segment Or (Dp)	IR	10	uA
Wavelength Of Peak Emission (Typ.) (IF=10mA)	λP	590	nm
Wavelength Of Dominant Emission (Typ.) (IF=10mA)	λD	588	nm
Spectral Line Full Width At Half-Maximum (Typ.) (IF=10mA)	$\Delta\lambda$	35	nm
Capacitance (Typ.) (VF=0V, f=1MHz)	C	20	pF

Part
Number

Emitting
Color

Emitting
Material

Luminous
Intensity
(IF=10mA)
ucd

Wavelength
nm
 λP

Description

min. typ.

DUY46A

Yellow

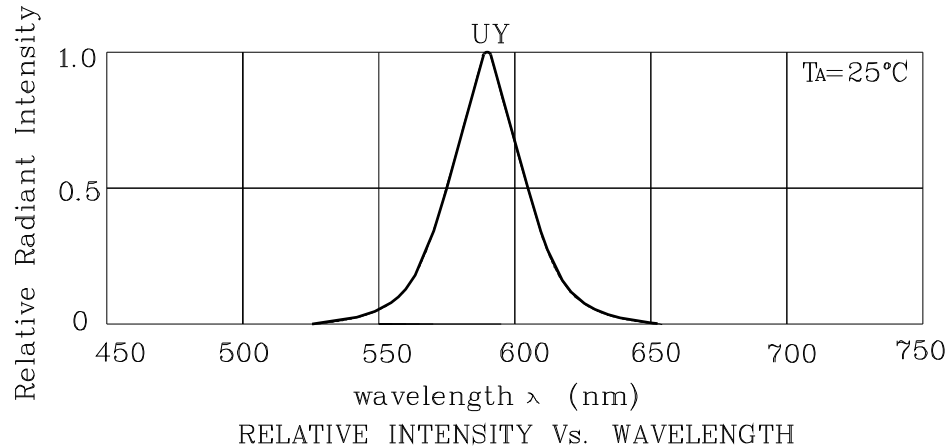
GaAsP/GaP

1900

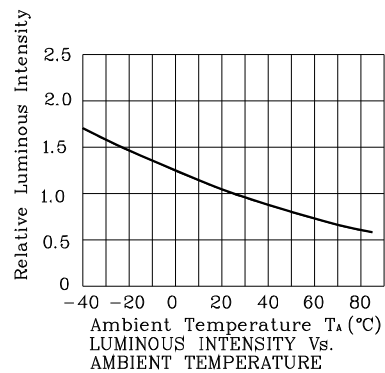
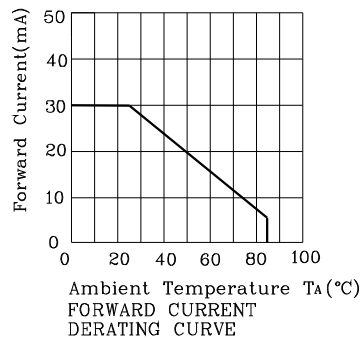
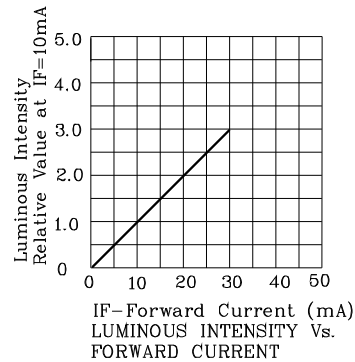
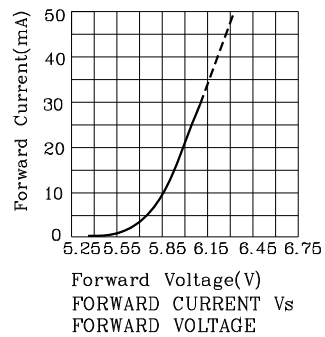
7990

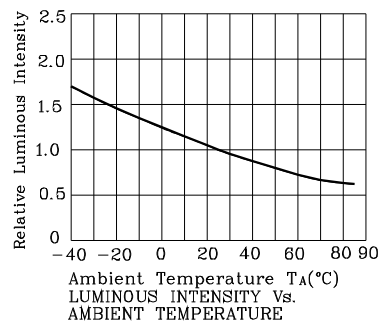
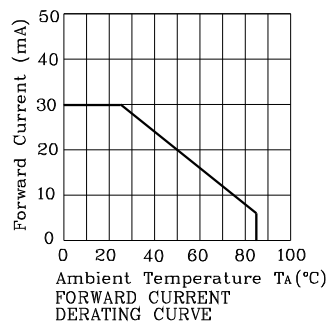
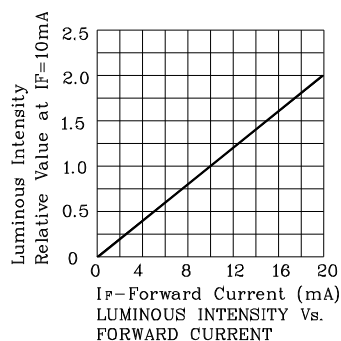
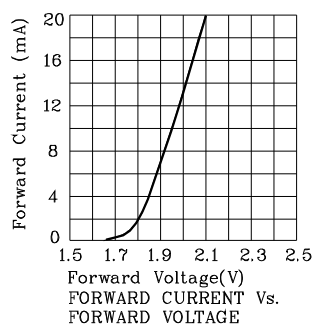
590

Common Anode, Rt. Hand Decimal

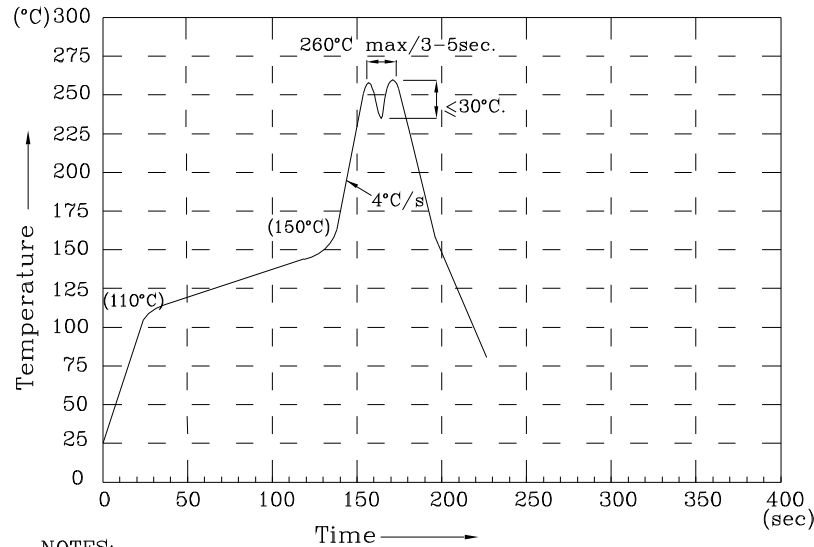


❖ UY





Wave Soldering Profile For Lead-free Through-hole LED.



NOTES:

1. Recommend the wave temperature 245°C~260°C. The maximum soldering temperature should be less than 260°C.
2. Do not apply stress on epoxy resins when temperature is over 85 degree°C.
3. The soldering profile apply to the lead free soldering (Sn/Cu/Ag alloy).
4. No more than once.

Remarks:

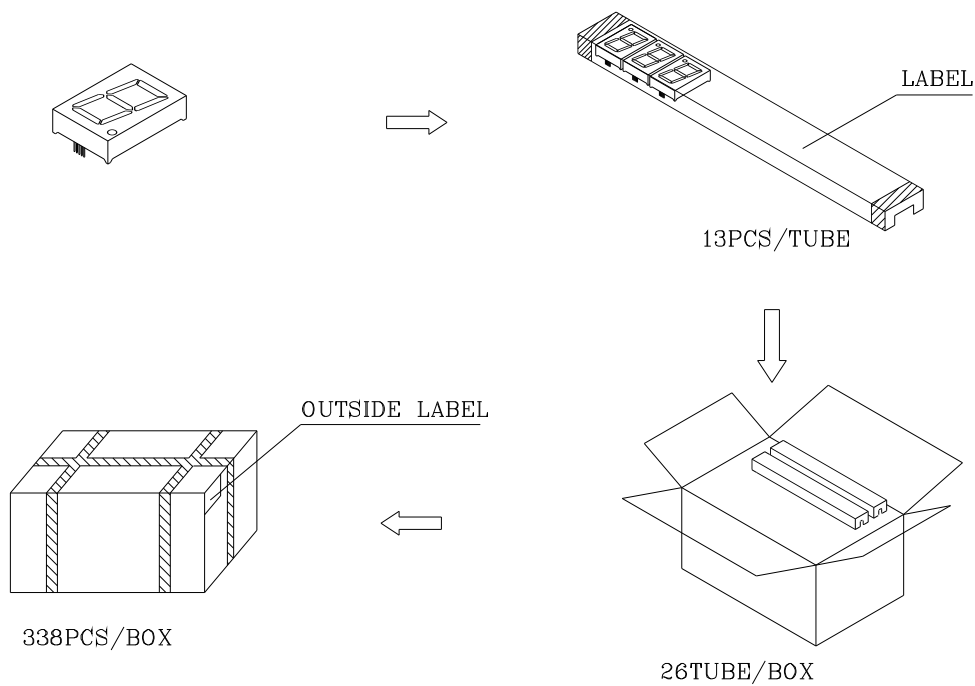
If special sorting is required (e.g. binning based on forward voltage, Luminous intensity / luminous flux, or wavelength), the typical accuracy of the sorting process is as follows:

1. Wavelength: +/-1nm
2. Luminous intensity / luminous flux: +/-15%
3. Forward Voltage: +/-0.1V

Note: Accuracy may depend on the sorting parameters.

PACKING & LABEL SPECIFICATIONS

DUY46A



Inside LABEL Paste On The IC-tube

SunLED	PART NO: Dxx46x	Q.C.
QTY: 13 PCS	CODE: xx	PASSED
XXXXXXXXXX-XXXX		XX XX XX
LOT NO.		FQC
		RoHS Compliant

Date
Number OF FQC

Outside LABEL Paste On The Box

BOX Number	XXXX	XXXX	BIN CODE
Dxx46x	338	XX	
Number OF QA		Date	
QAX			
PASSED			