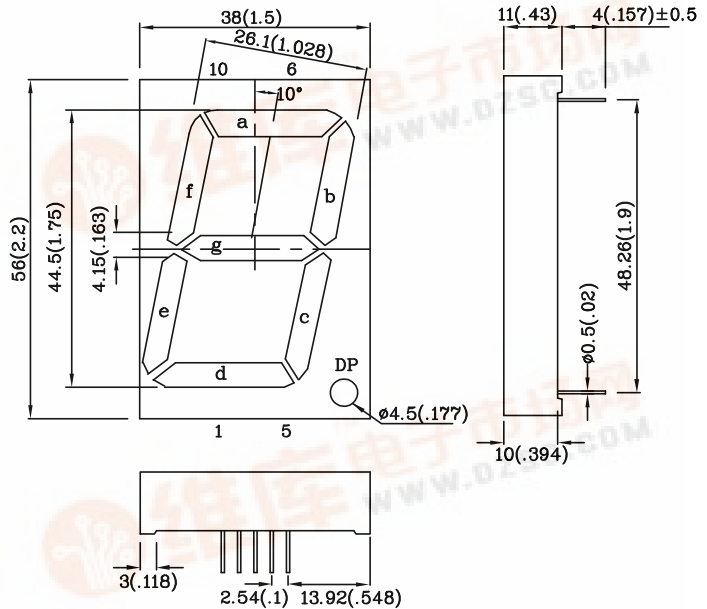
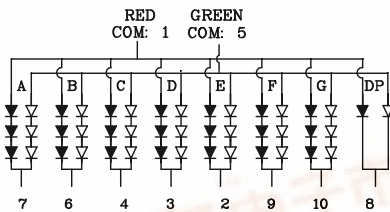


Features

- 1.8 INCH DIGIT HEIGHT.
- LOW CURRENT OPERATION.
- EXCELLENT CHARACTER APPEARANCE.
- HIGH LIGHT OUTPUT.
- EASY MOUNTING ON P.C. BOARDS OR SOCKETS.
- I.C. COMPATIBLE.
- MULTICOLOR AVAILABLE.
- MECHANICALLY RUGGED.
- STANDARD : GRAY FACE, WHITE SEGMENT.
- RoHS COMPLIANT.



Notes:

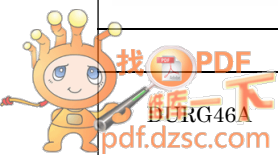
1. All dimensions are in millimeters (inches).
2. Tolerance is $\pm 0.25(0.01)$ unless otherwise noted.
3. Specifications are subject to change without notice.

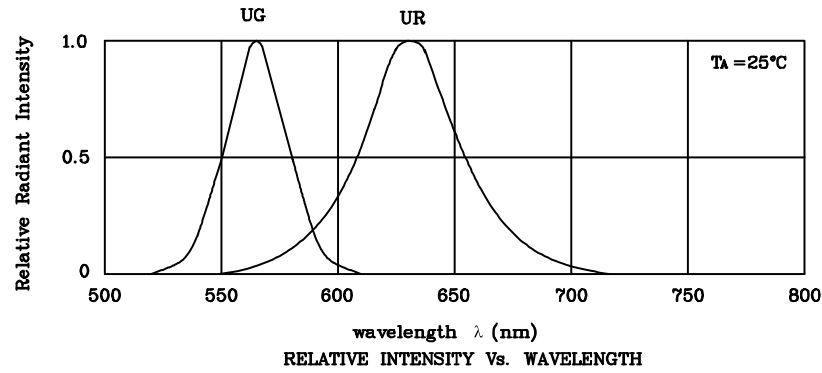
Absolute Maximum Ratings (TA=25°C)		UR (GaAsP/ GaP)	UG (GaP)	Unit
Reverse Voltage Per Segment Or (Dp)	VR	15 (5)	15 (5)	V
Forward Current Per Segment Or (Dp)	IF	30 (30)	25 (25)	mA
Forward Current (Peak) 1/10 Duty Cycle 0.1ms Pulse Width Per Segment Or (Dp)	iFS	160	140	mA
Power Dissipation Per Segment Or (Dp)	PT	225 (75)	187.5 (62.5)	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)		UR (GaAsP/ GaP)	UG (GaP)	Unit
Forward Voltage (Typ.) (IF=10mA) Per Segment Or (Dp)	VF	5.7 (1.9)	6.0 (2.0)	V
Forward Voltage (Max.) (IF=10mA) Per Segment Or (Dp)	VF	7.5 (2.5)	7.5 (2.5)	V
Reverse Current (Max.) (VR=15V(5V)) Per Segment Or (Dp)	IR	10	10	uA
Wavelength Of Peak Emission (Typ.) (IF=10mA)	λ P	627	565	nm
Wavelength Of Dominant Emission (Typ.) (IF=10mA)	λ D	625	568	nm
Spectral Line Full Width At Half-Maximum (Typ.) (IF=10mA)	Δλ	45	30	nm
Capacitance (Typ.) (VF=0V, f=1MHz)	C	15	15	pF

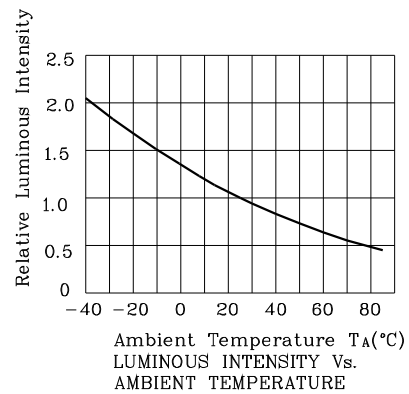
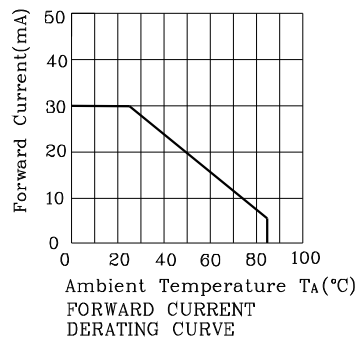
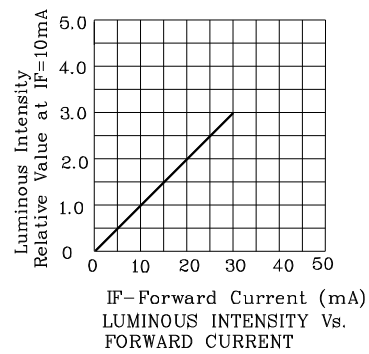
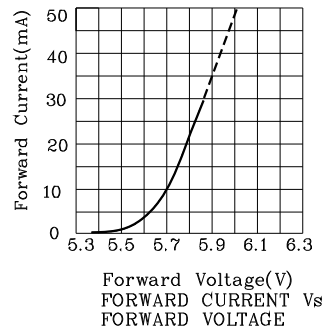


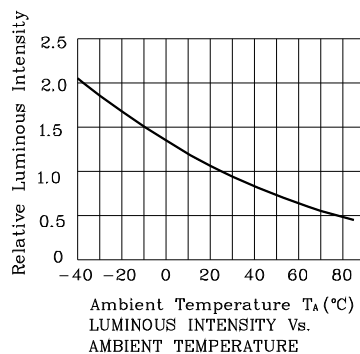
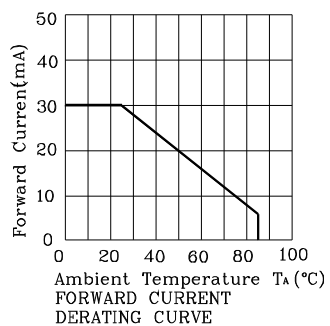
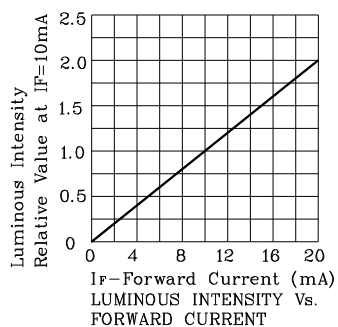
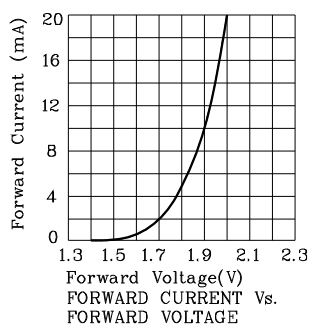
Part Number	Emitting Color	Emitting Material	Luminous Intensity (IF=10mA) ucd	Wavelength nm λ P	Description
DURG46A	Red	GaAsP/GaP	min. 4700 typ. 23990	627	Common Anode, Rt. Hand Decimal
	Green	GaP	min. 3000 typ. 11990	565	



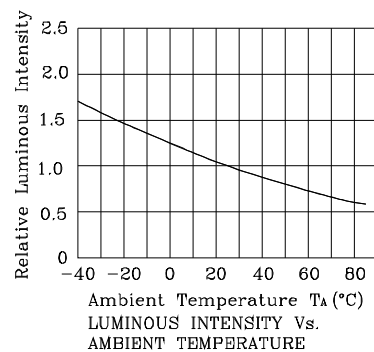
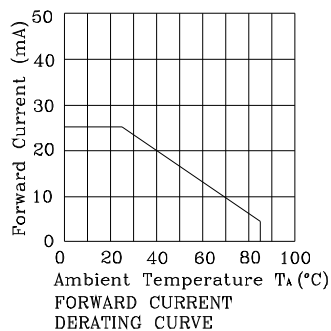
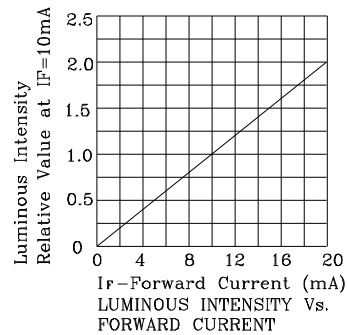
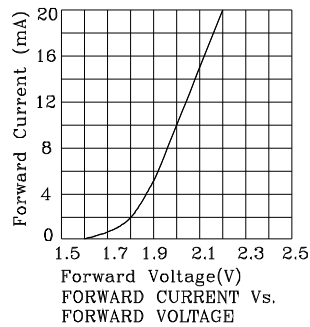
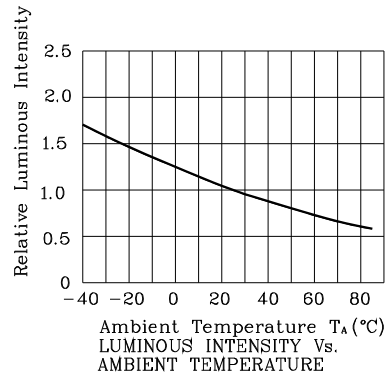
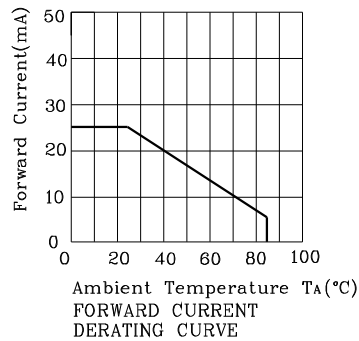
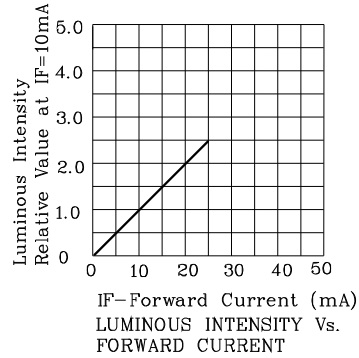
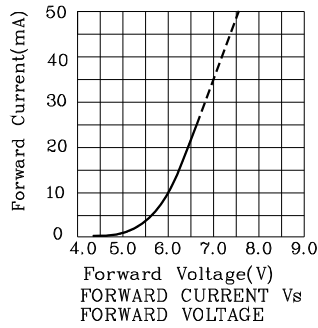


❖ UR

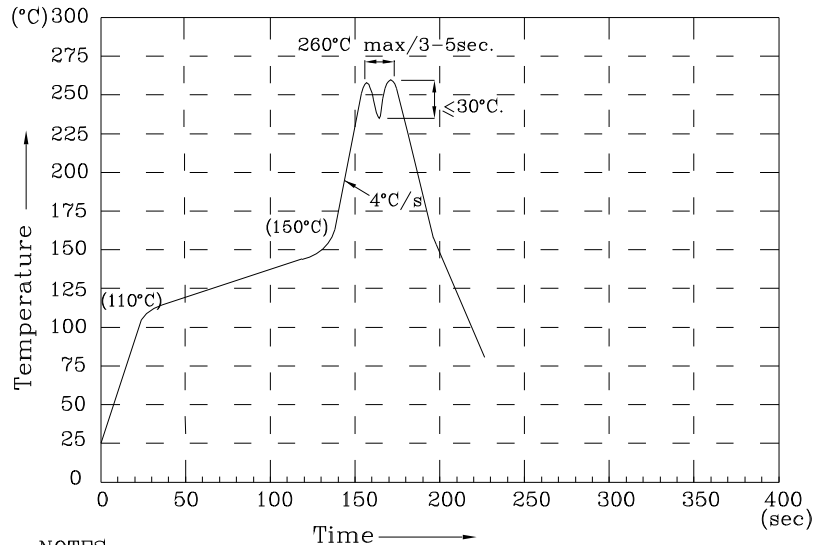




❖ UG



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



NOTES:

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

Remarks:

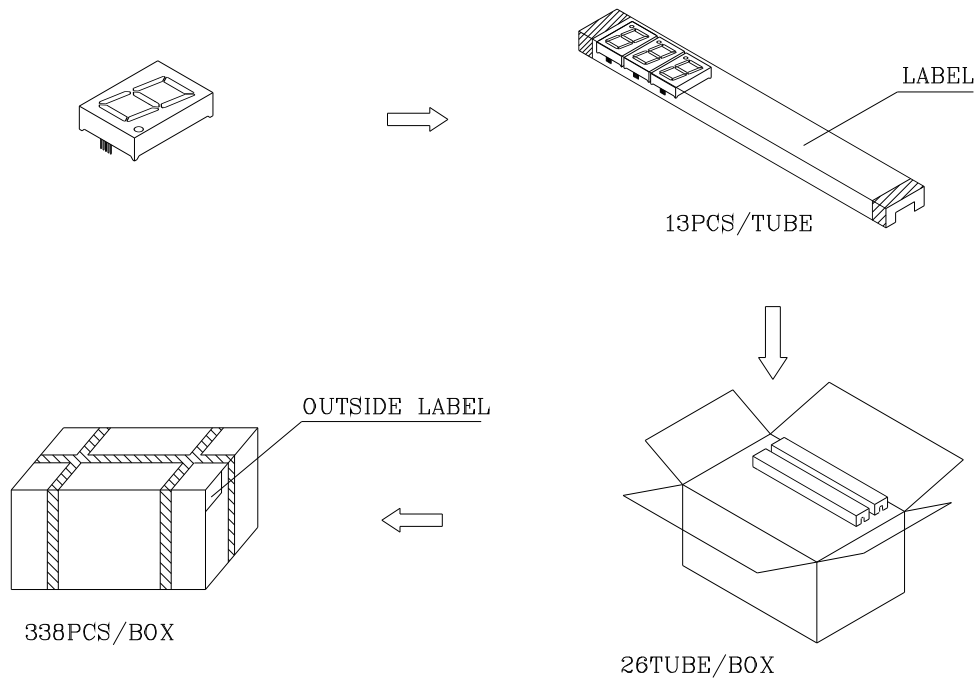
If special sorting is required (e.g. binning based on forward voltage, Luminous intensity / luminous flux, or wavelength), the typical accuracy of the sorting process is as follows:

1. Wavelength: $\pm 1\text{nm}$
2. Luminous intensity / luminous flux: $\pm 15\%$
3. Forward Voltage: $\pm 0.1\text{V}$

Note: Accuracy may depend on the sorting parameters.

PACKING & LABEL SPECIFICATIONS

DURG46A



Inside LABEL Paste On The IC-tube

SunLED	PART NO: Dxx46x	Q.C.
QTY: 13 PCS	CODE: xx	PASS BY XX XX XX FQC
XXXXXXXX-XXXX		RoHS Compliant
LOT NO.		Date Number OF FQC

Outside LABEL Paste On The Box

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