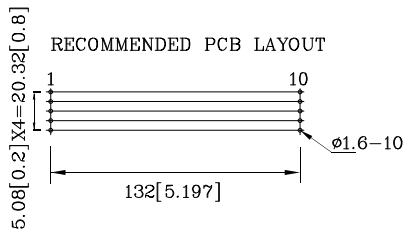
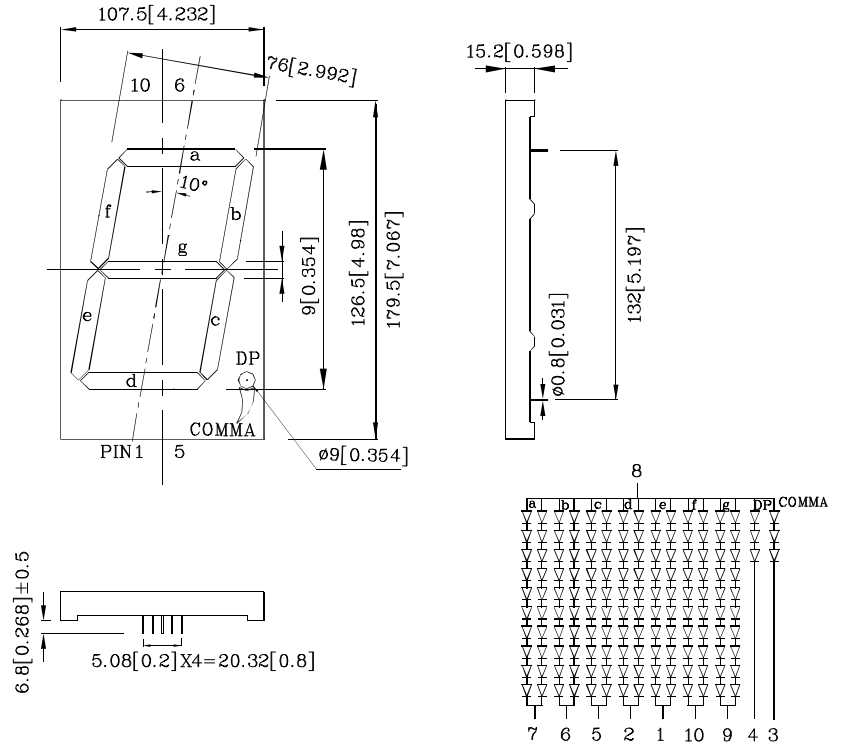


**Features**

- Low power consumption
- Robust package
- I.C. Compatible
- Standard configuration: Gray face w/ white segments
- Optional black face provides superior color contrast
- RoHS Compliant



**Package Schematics**



**Notes:**

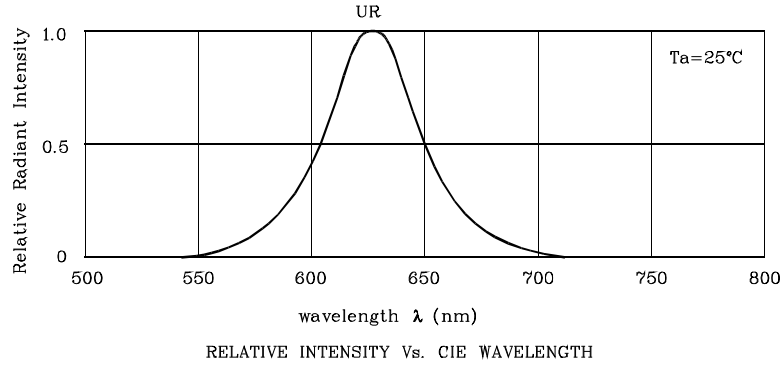
1. All dimensions are in millimeters (inches), Tolerance is  $\pm 0.25(0.01)$  unless otherwise noted.
2. Specifications are subject to change without notice.

Absolute Maximum Ratings ( $T_A=25^\circ\text{C}$ )		UR (GaAsP/ GaP)	Unit
Reverse Voltage Per Segment Or (Dp And Comma)	$V_R$	5 (5)	V
DC Forward Current Per Segment Or (Dp And Comma)	$I_F$	60 (30)	mA
Forward Current (Peak) Per Segment Or (Dp And Comma) 1/10 Duty Cycle 0.1ms Pulse Width	$i_{FS}$	320 (160)	mA
Power Dissipation Per Segment Or (Dp And Comma)	$P_D$	1500 (450)	mW
Operating Temperature	$T_A$	-40 ~ +85	°C
Storage Temperature	$T_{stg}$	-40 ~ +85	
Lead Solder Temperature [2mm Below Package Base]	260°C For 3-5 Seconds		

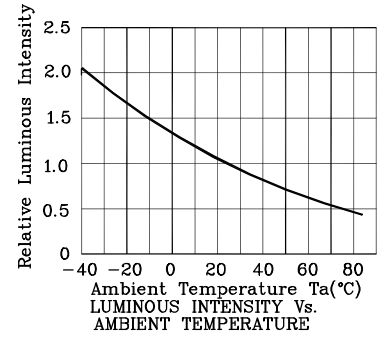
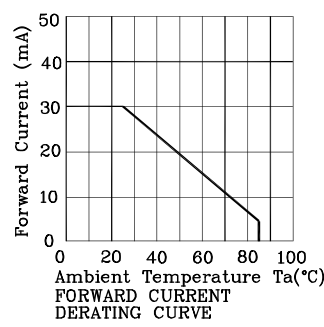
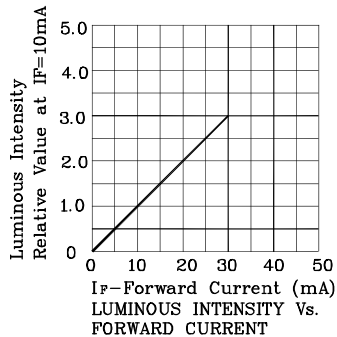
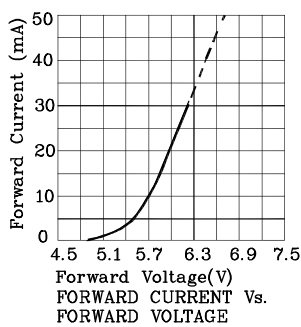
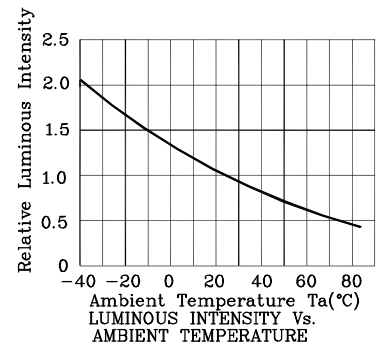
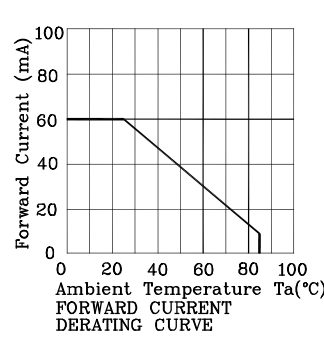
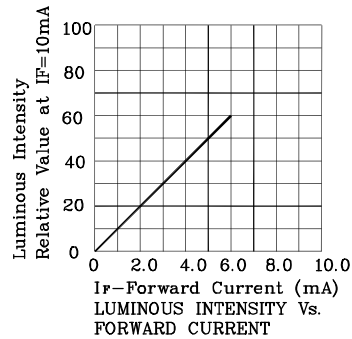
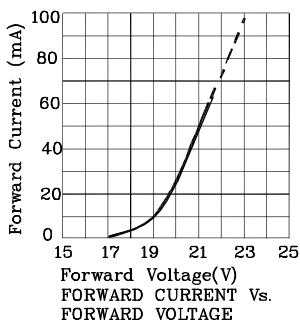
Operating Characteristics ( $T_A=25^\circ\text{C}$ )		UR (GaAsP/ GaP)	Unit
Forward Voltage (Typ.) ( $I_F=10\text{mA}$ ) Per Segment Or (Dp And Comma)	$V_F$	19 (5.7)	V
Forward Voltage (Max.) ( $I_F=10\text{mA}$ ) Per Segment Or (Dp And Comma)	$V_F$	25 (7.5)	V
Reverse Current ( $V_R=5\text{V}$ ) (Max.) Per Segment Or (Dp And Comma)	$I_R$	10 (10)	uA
Wavelength of Peak Emission CIE127-2007* (Typ.) ( $I_F=10\text{mA}$ )	$\lambda_P$	627 627*	nm
Wavelength of Dominant Emission CIE127-2007* (Typ.) ( $I_F=10\text{mA}$ )	$\lambda_D$	625 617*	nm
Spectral Line Full Width At Half-Maximum (Typ.) ( $I_F=10\text{mA}$ )	$\Delta\lambda$	45	nm
Capacitance (Typ.) ( $V_F=0\text{V}$ , $f=1\text{MHz}$ )	C	15	pF

Part Number	Emitting Color	Emitting Material	Luminous Intensity CIE127-2007* ( $I_F=10\text{mA}$ ) ucd		Wavelength CIE127-2007* $\lambda_P$ nm	Description
			min.	typ.		
XDUR127A-B	Red	GaAsP/GaP	21000 9000*	51990 15000*	627*	Common Anode, Rt.Hand Decimal.

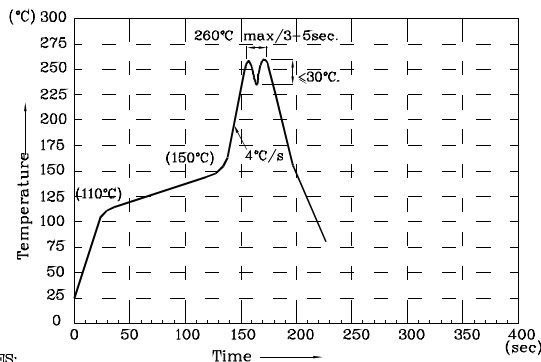
\*Luminous intensity value and wavelength are in accordance with CIE127-2007 standards.  
Jul 10,2012



❖ UR



Wave Soldering Profile for Thru-Hole Products (Pb-Free Components)



- 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°C.
  3. The soldering profile apply to the lead free soldering (Sn/Cu/Ag alloy).
  4. During wave soldering, the PCB top-surface temperature should be kept below 105°C.
  5. No more than once.

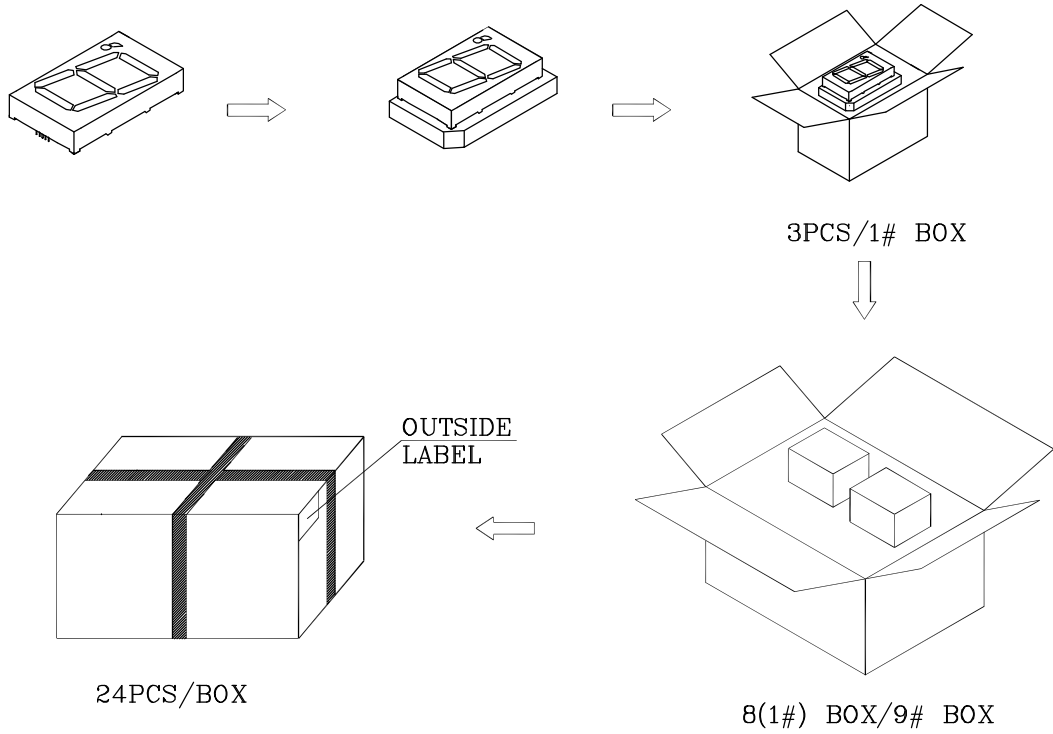
Remarks:

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:

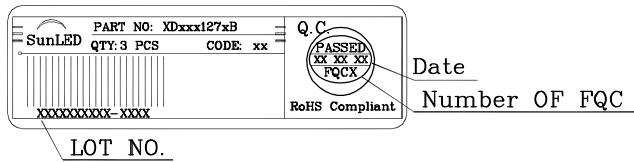
1. Wavelength: +/-1nm
2. Luminous Intensity / Luminous Flux: +/-15%
3. Forward Voltage: +/-0.1V

Note: Accuracy may depend on the sorting parameters.

PACKING & LABEL SPECIFICATIONS



Inside Label On 1#BOX



Outside Label On Box

