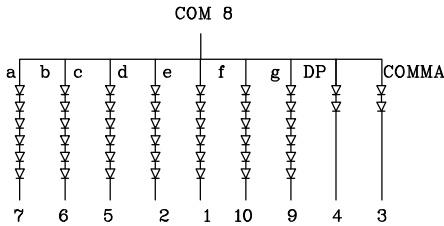


**Features**

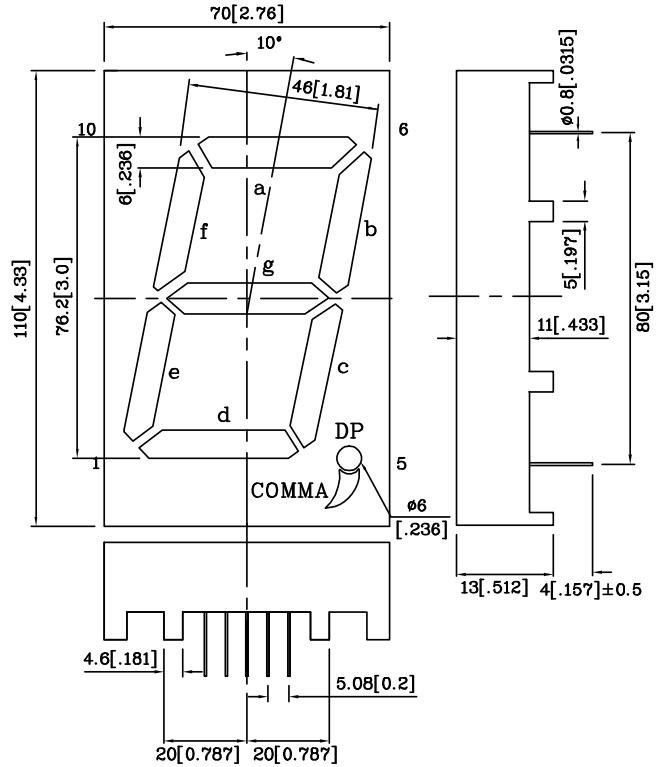
- 3.0 INCH DIGIT HEIGHT.
- LOW CURRENT OPERATION.
- EXCELLENT CHARACTER APPEARANCE.
- EASY MOUNTING ON P.C. BOARDS OR SOCKETS.
- I.C. COMPATIBLE.
- CATEGORIZED FOR LUMINOUS INTENSITY.
- MECHANICALLY RUGGED.
- STANDARD : GRAY FACE, WHITE SEGMENT.
- RoHS COMPLIANT.



Notes:

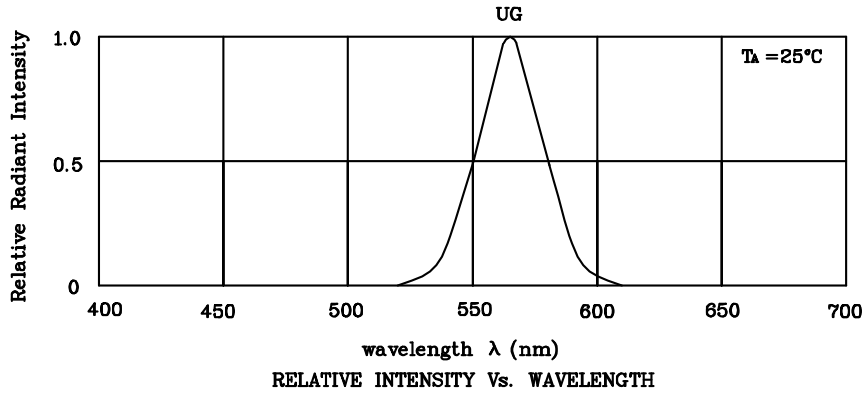
1. All dimensions are in millimeters (inches).
2. Tolerance is ± 0.25(0.01") unless otherwise noted.
3. Specifications are subject to change without notice.

Absolute maximum ratings (TA=25°C)		UG (GaP)	Unit
Reverse Voltage Per Segment or (Dp and Comma)	VR	30 (10)	V
Forward Current Per Segment or (Dp and Comma)	IF	25 (25)	mA
Forward Current (Peak) Per Segment or (Dp and Comma) 1/10 Duty Cycle 0.1ms Pulse Width	iFS	140 (140)	mA
Power Dissipation Per Segment or (Dp and Comma)	PT	375 (125)	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		

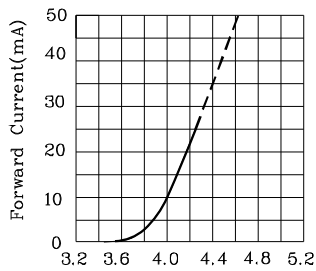


Operating Characteristics (TA=25°C)		UG (GaP)	Unit
Forward Voltage (Typ.) Per Segment or (Dp and Comma) (IF=10mA)	VF	12.0 (4.0)	V
Forward Voltage (Max.) Per Segment or (Dp and Comma) (IF=10mA)	VF	15.0 (5.0)	V
Reverse Current Per Segment or (Dp and Comma) (VR=30(10)V)	IR	10 (10)	uA
Wavelength Of Peak Emission (Typ.) (IF=10mA)	λ P	565	nm
Wavelength Of Dominant Emission (Typ.) (IF=10mA)	λ D	568	nm
Spectral Line Full Width At Half-Maximum (Typ.) (IF=10mA)	Δλ	30	nm
Capacitance (Typ.) (VF=0V, f=1MHz)	C	15	pF

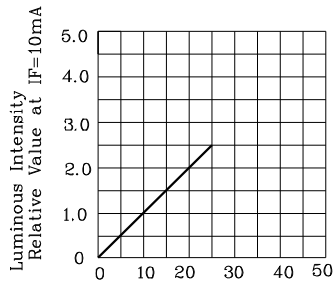
Part Number	Emitting Color	Emitting Material	Luminous Intensity (IF=10mA) ucd		Wavelength nm λ P	Description
			min.	typ.		
DUG76A	Green	GaP	4700	18615	565	Common Anode, Rt. Hand Decimal



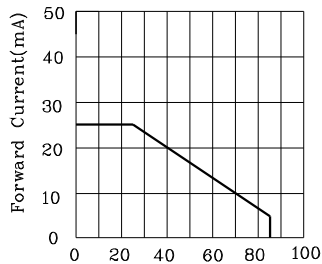
❖ UG



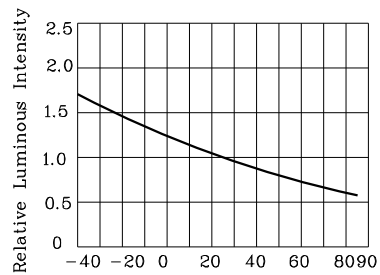
Forward Voltage(V)  
FORWARD CURRENT Vs  
FORWARD VOLTAGE



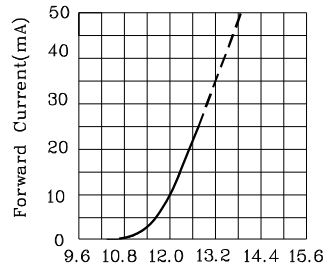
IF-Forward Current (mA)  
LUMINOUS INTENSITY Vs.  
FORWARD CURRENT



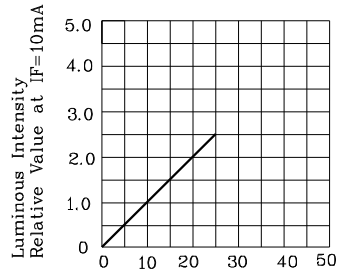
Ambient Temperature  $T_A$  ( $^\circ\text{C}$ )  
FORWARD CURRENT  
DERATING CURVE



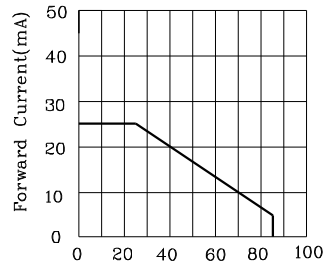
Ambient Temperature  $T_A$  ( $^\circ\text{C}$ )  
LUMINOUS INTENSITY Vs.  
AMBIENT TEMPERATURE



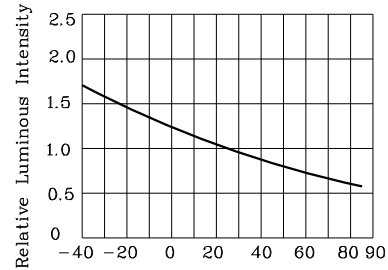
Forward Voltage(V)  
FORWARD CURRENT Vs  
FORWARD VOLTAGE



IF-Forward Current (mA)  
LUMINOUS INTENSITY Vs.  
FORWARD CURRENT

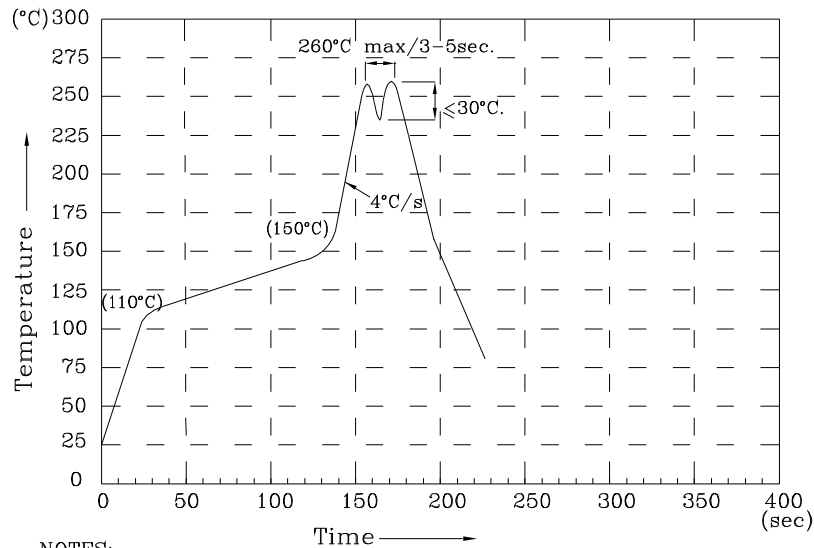


Ambient Temperature Ta (°C)  
FORWARD CURRENT  
DERATING CURVE



Ambient Temperature Ta (°C)  
LUMINOUS INTENSITY Vs.  
AMBIENT TEMPERATURE

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:

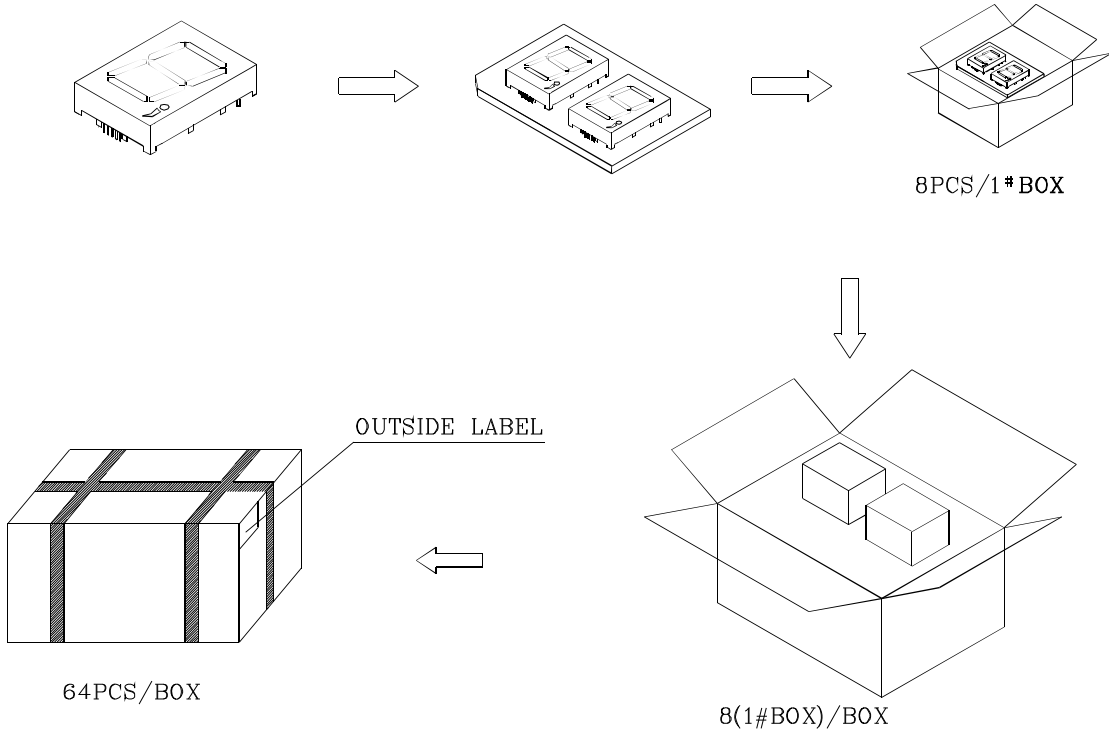
If special sorting is required (e.g. binning based on forward voltage, Luminous intensity / luminous flux, or wavelength), the typical accuracy of the sorting process is as follows:

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

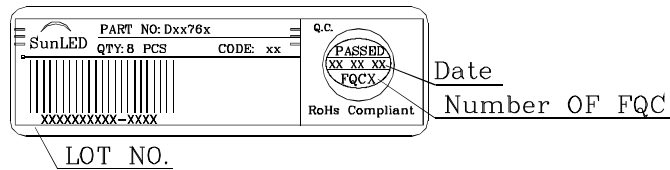
Note: Accuracy may depend on the sorting parameters.

**PACKING & LABEL SPECIFICATIONS**

**DUG76A**



Inside LABEL Paste On The 1# Box



Outside LABEL Paste On The Box

