



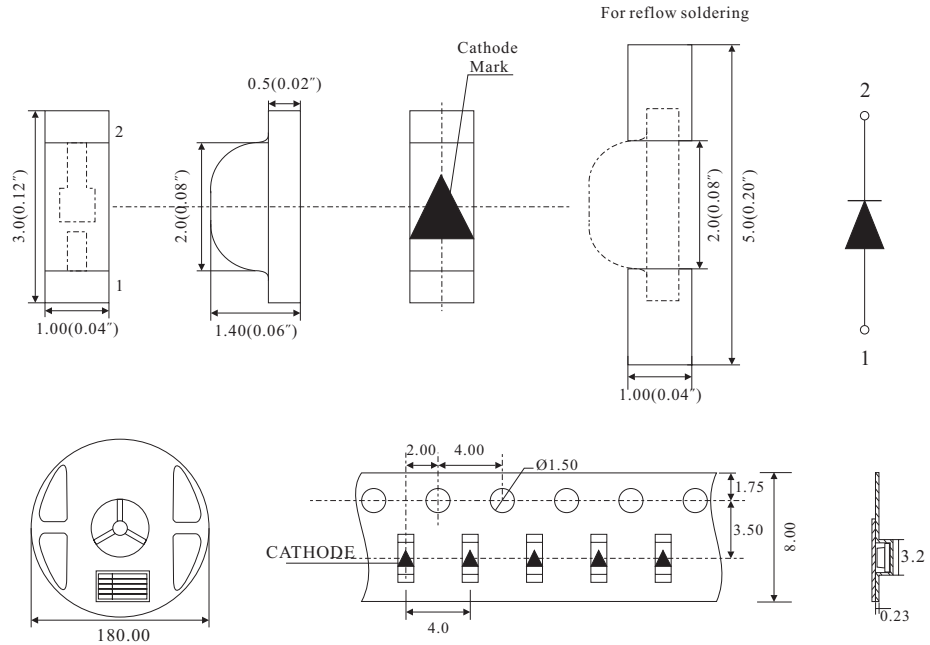
## PACKAGE DIMENSION

### TY-1204UA2



Features:

1. Emitted Color:  
**Ultra Bright Amber.**
2. Lens Appearance:  
Water Clear



### Absolute Maximum Ratings at $T_A=25^{\circ}\text{C}$

Parameter	Symbol	Maximum Rating	Units
Power Dissipation	$P_d$	75	mW
Forward Current	$I_F$	30	mA
Peak Forward Current (1/10 Duty Cycle, 0.1ms Pulse Width.)	$I_{FP}$	125	mA
Reverse Voltage	$V_R$	5	V
Operating Temperature	$T_{opr}$	-20°C to +80°C	
Storage Temperature	$T_{stg}$	-20°C to +80°C	

### Electrical / Optical Characteristics at $T_A=25^{\circ}\text{C}$

Parameter	Symbol	MIN.	TYP.	MAX.	Units	Test Condition
Forward Voltage	$V_f$	-	2.00	2.50	V	$I_F=20\text{mA}$
Luminous Intensity	$I_v$	150	-	-	mcd	$I_F=20\text{mA}$
Reverse Current	$I_R$	-	-	10	$\mu\text{A}$	$V_R=5\text{V}$
Peak Wavelength	$\lambda_p$	-	610	-	nm	$I_F=20\text{mA}$
Dominant Wavelength	$\lambda_d$	600	605	610	nm	$I_F=20\text{mA}$
Spectral Line Half-width	$\Delta\lambda$	-	18	-	nm	$I_F=20\text{mA}$
Viewing Angle	$2\theta_{1/2}$	-	140	-	deg	$I_F=20\text{mA}$

1. All dimension are in millimeters (inches);
2. Tolerance is  $\pm 0.10\text{mm}$  (0.004") unless otherwise specified;
3. Luminous intensity tolerance is  $\pm 10\%$ ;
4. 3,000pcs in a reel.