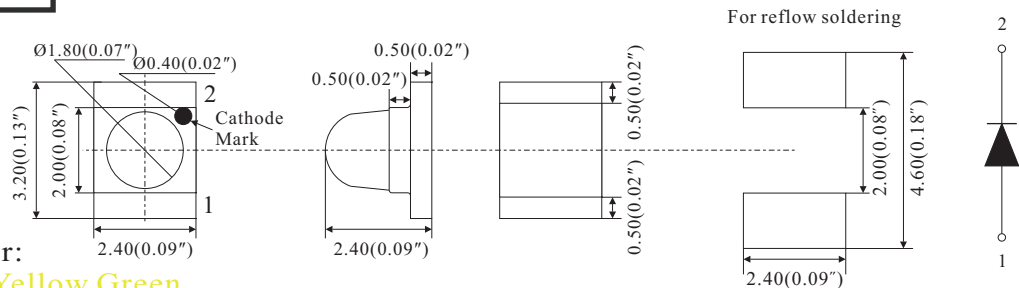




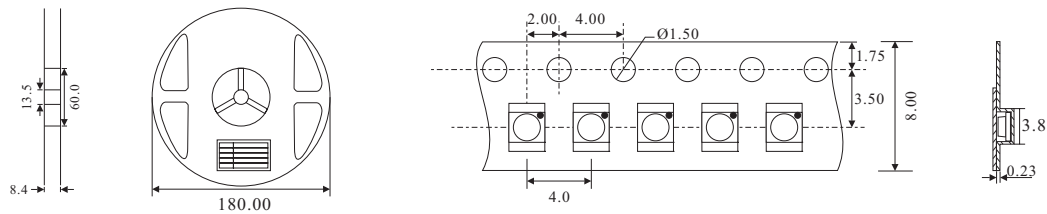
PACKAGE DIMENSION

TY-1309YG2



Features:

1. Emitted Color:
Ultra Bright Yellow Green.
2. Lens Appearance:
Water Clear



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

Parameter	Symbol	Maximum Rating	Units
Power Dissipation	Pd	81	mW
Forward Current	I _F	30	mW
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	-	2.20	2.70	V	I _F =20mA
Luminous Intensity	I _v	45	110	-	mcd	I _F =20mA
Reverse Current	I _R	-	-	10	uA	V _R =5V
Peak Wavelength	λ_p	560	565	570	nm	I _F =20mA
Dominant Wavelength	λ_d	567	572	578	nm	I _F =20mA
Spectral Line Half-width	$\Delta\lambda$	-	30	-	nm	I _F =20mA
Viewing Angle	2 $\theta_{1/2}$	-	15	-	deg	I _F =20mA

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. 2,000pcs in a reel.