



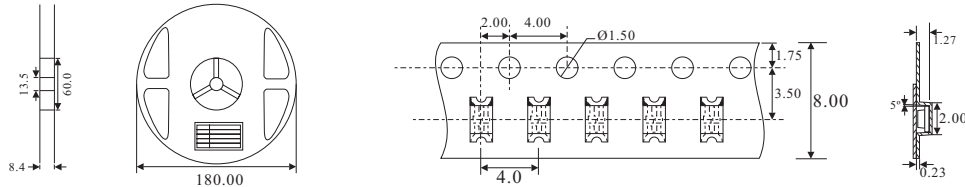
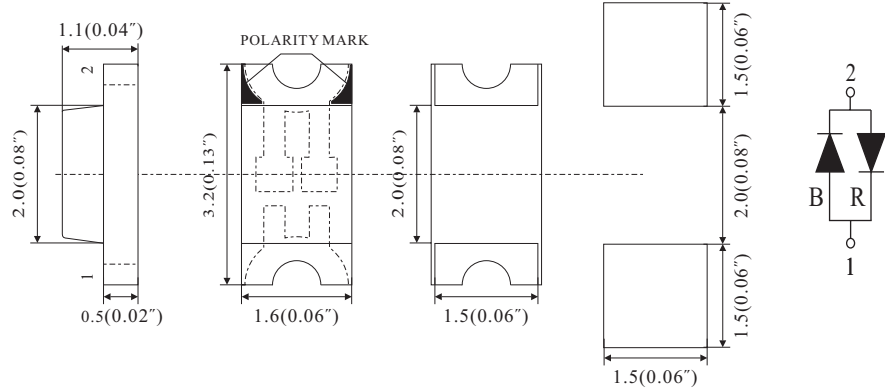
PACKAGE DIMENSION

TY-1306URBL1



Features:

1. Emitted Color:
Red and Blue.
2. Lens Appearance:
Water Clear



Absolute Maximum Ratings

@T_A = 25 °C

Parameter	Symbol	Maximum Rating		Unit
		UR	BL	
Power Dissipation	P _d	75	114	MW
Continuous Forward Current	I _f	30		mA
Reverse Voltage	V _r	5		V
Operating Temperature Range	T _{opr}	-20 ~ +80		°C
Storage Temperature Range	T _{stg}	-20 ~ +80		°C
Peak Pulsing Current (1/8duty f=1kHz)	I _{fp}	125		mA

Optical-Electrical Characteristic

@T_A = 25 °C

Parameter	Symbol	Min		Type		Max		Unit	Test Condition
		UR	BL	UR	BL	UR	BL		
Wavelength at Peak Emission	λ _{peak}	-	-	645	465	-	-	nm	I _F = 20 mA
Spectral Half Bandwidth	Δλ	-	-	20	30	-	-	nm	I _F = 20 mA
Dominant Wavelength	λ _{dom}	632	465	637	470	642	475	nm	I _F = 20 mA
Forward Voltage	V _f	-	-	2.0	3.3	2.5	3.8	V	I _F = 20 mA
Luminous Intensity	I _v	50	80	-	-	-	-	mcd	I _F = 20 mA
Viewing Angle at 50% I _v	2θ _{1/2}	-		140		-		deg.	I _F = 10 mA
Reverse Current	I _r	-		-		10		μA	V _R = 5 V

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