OptoSupply
Light It Up

2.0*1.25*0.8mm Red & Pure Green SMD

OSRP0805C1E-0.8T

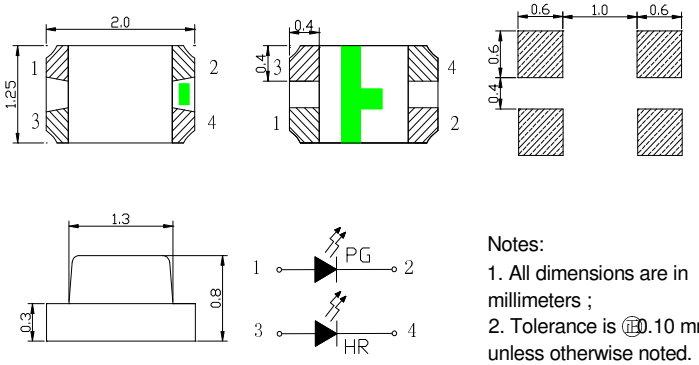
▪Features

- Bi-Color
- Super high brightness of surface mount LED
- Water Clear Flat Mold
- Compact package outline (LxWxT) of 2.0mm x 1.25mm x 0.8mm
- Compatible to IR reflow soldering.

▪Applications

- Backlighting (switches, keys, etc.)
- Marker lights (e.g. steps, exit ways, etc.)

▪Outline Dimension



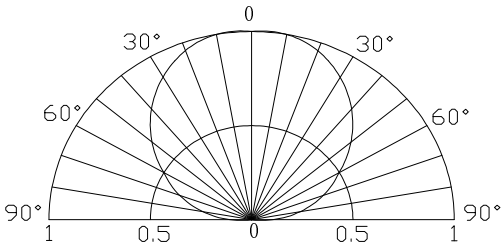
Notes:
1. All dimensions are in millimeters ;
2. Tolerance is ±0.10 mm unless otherwise noted.

▪Absolute Maximum Rating (Ta=25℃)

Item	Symbol	Value		Unit
		Red	PG	
DC Forward Current	I_F	30	30	mA
Pulse Forward Current*	I_{FP}	100	100	mA
Reverse Voltage	V_R	5	5	V
Power Dissipation	P_D	78	108	mW
Operating Temperature	Topr	-40 ~ +85		℃
Storage Temperature	Tstg	-40~ +85		℃
Lead Soldering Temperature	Tsol	260℃/10sec		-

*Pulse width Max 0.1ms, Duty ratio max 1/10

▪Directivity



▪Electrical -Optical Characteristics (Ta=25℃)

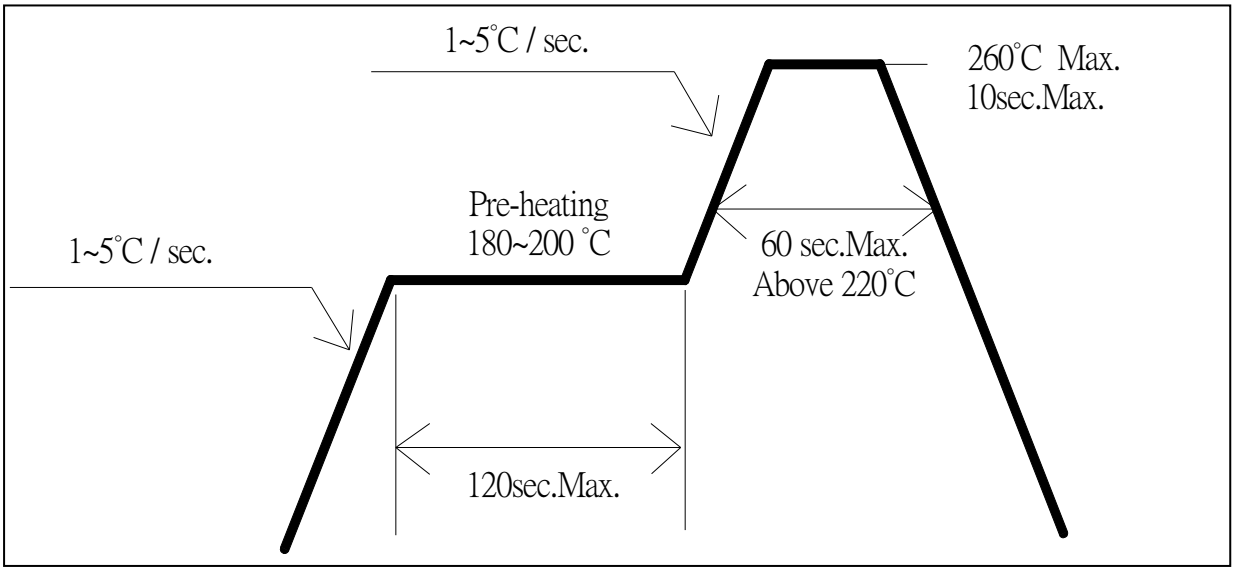
Part Number	Color			V_F (V)			I_R(μA)	Iv(mcd)			λD(nm)			2θ1/2(deg)
				Min.	Typ.	Max.	Max.	Min.	Typ.	Max.	Min.	Typ.	Max.	Typ.
				I_F=20mA			V_R=5V	I_F=20mA						
OSRP0805C1E-0.8T	Red	R		1.8	2.1	2.6	10	80	150	-	617	625	630	120
	Pure Green	PG		2.8	3.1	3.6	10	300	450	-	517	525	530	120

*1 Tolerance of measurements of dominant wavelength is ±1nm
*2 Tolerance of measurements of luminous intensity is ±15%
*3 Tolerance of measurements of forward voltage is ±0.1V

■ **Soldering Conditions**

Reflow Soldering		Hand Soldering	
Pre-Heat	180 ~ 200°C	Temperature Soldering time	350°C Max. 3 sec. Max. (one time only)
Pre-Heat Time	120 sec. Max.		
Peak temperature	260°C Max.		
Dipping Time	**10 sec. Max.**		
Condition	Refer to Temperature-profile		

• Reflow Soldering Condition(Lead-free Solder)



*Recommended soldering conditions vary according to the type of LED

*Although the recommended soldering conditions are specified in the above table, reflow, or hand soldering at the lowest possible temperature is desirable for the LEDs.

*A rapid-rate process is not recommended for cooling the LEDs down from the peak temperature.

•All SMD LED products are pb-free soldering available.

• Occasionally there is a brightness decrease caused by the influence of heat or ambient atmosphere during air reflow. It is recommended that the User use the nitrogen reflow method.

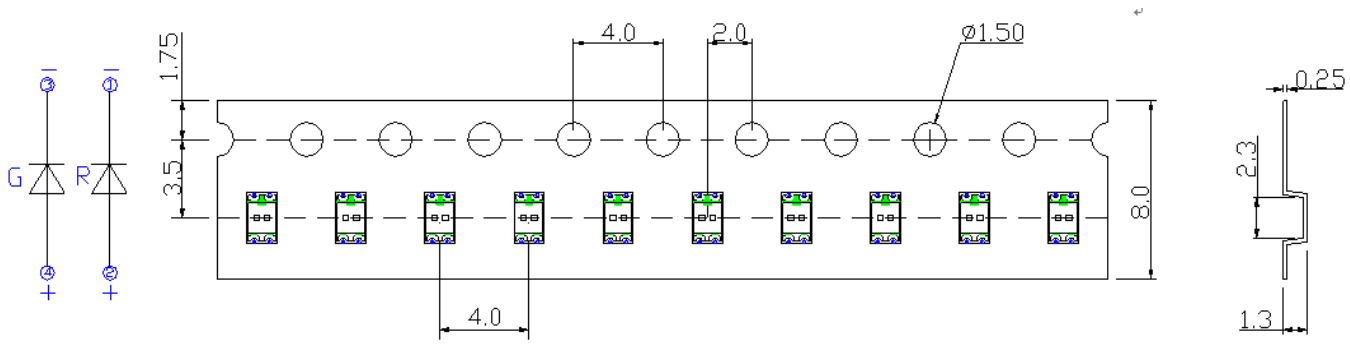
• Repairing should not be done after the LEDs have been soldered. When repairing is unavoidable a double-head soldering iron should be used. It should be confirmed beforehand whether the characteristics of the LEDs will or will not be damaged by repairing.

• Reflow soldering should not be done more than two times.

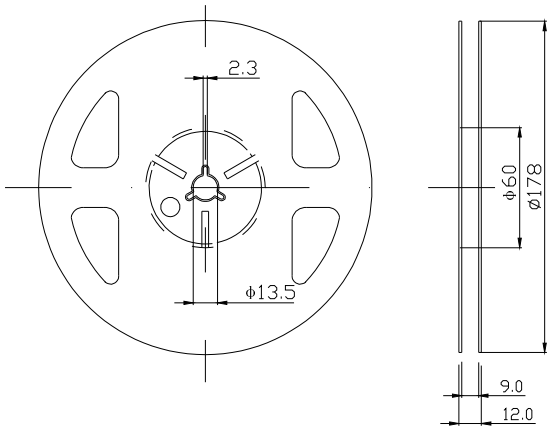
• When soldering, do not put stress on the LEDs during heating.

• After soldering, do not warp the circuit board.

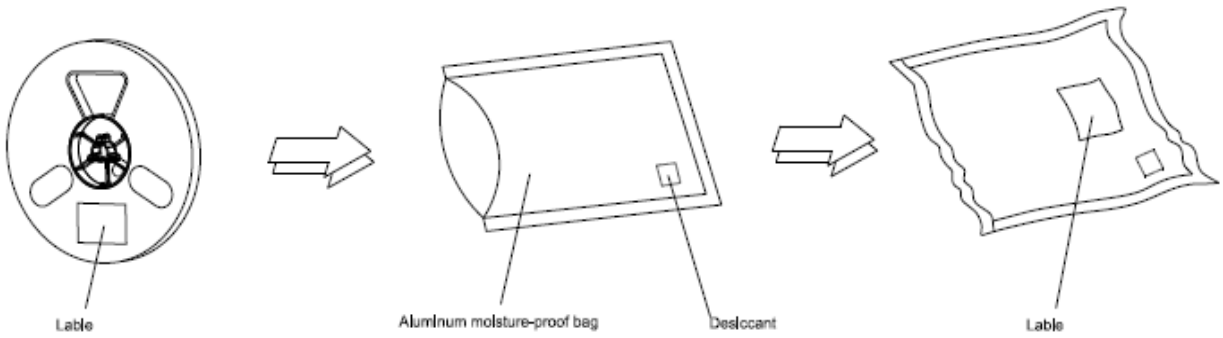
TAPING



- Reel Dimensions



- **Moisture Resistant Packaging**



Notes:

1. Unit: mm
2. 3000pcs/Reel

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for Standard LEDs - SMD ***category:***

Click to view products by Optosupply ***manufacturer:***

Other Similar products are found below :

LTST-C19GD2WT LTST-N683GBEW 597-3006-607F 597-3403-607F LTW-K140SZR40 LTW-M140ZVS 598-8110-100F 598-8170-100F 598-8610-202F 7012X7 AAAF5060QBFSEEZGS 12-22SURSYGC/S530-A3/E2/TR8 1383SURT/S530-A3/TR1(R) APT1608QGW EASV1803BA0 HT-F104TW-5860 SML310BATT86 SML-512VWT86A SML-LX0606SISUGC/A SML-LXL1307SRC-TR SML-LXR851SIUPGUBC LT1ED53A 17-21/G6C-FM1N2B/3T FAT801-S SSL-LXA227IC-TR31A AM27ZGC03 APB3025SGNC APHK1608VGCA APT2012QGW CLMVC-FKA-CA1E1L81BB7C3C3 CLYBA-FKA-CFHHKL9BBB7A363 CMD11504UR LTW-020ZDCG LTW-21TS5 LTW-K140SZR30 HSMY-C177 HT-121UYG-4739 UYGT801-S KVH1C100MF6R 42-21SYGC/S530-E1/TR8 YGFR411-H 597-2311-402F 5973212407NF 597-3302-607F 597-5202-407F 598-8330-117F SAW8WA2A-L35M40-CA SML013WBDW1 SML522BUWT86 SML-LX0402IC-TR