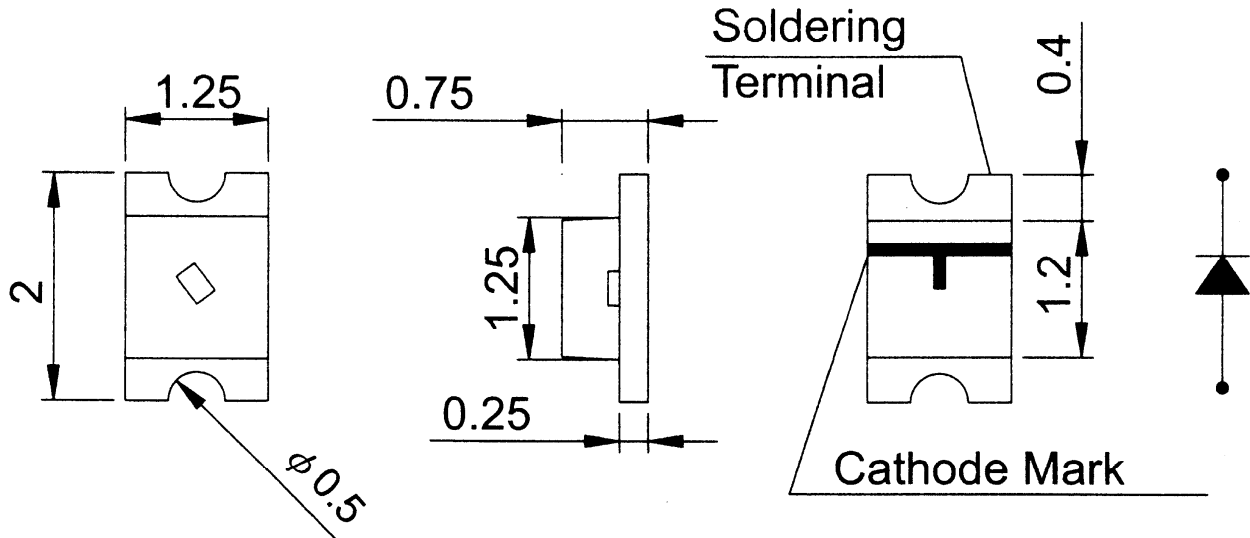


## SMD LED

★ Package Dimensions (unit:mm ; tolerance :±0.1mm )



★ Selection Guide

Part NO.	Chip		Lens Color	Viewing Angle $2\theta$ 1/2(deg)
	Material	Emitted Color		
0805-FLWC-UHR	AllnGaP	Super Red	Water clear	130

## SMD LED

**Part No: 0805-FLWC-UHR**

### ★Absolute Maximum Ratings

(Ta=25°C)

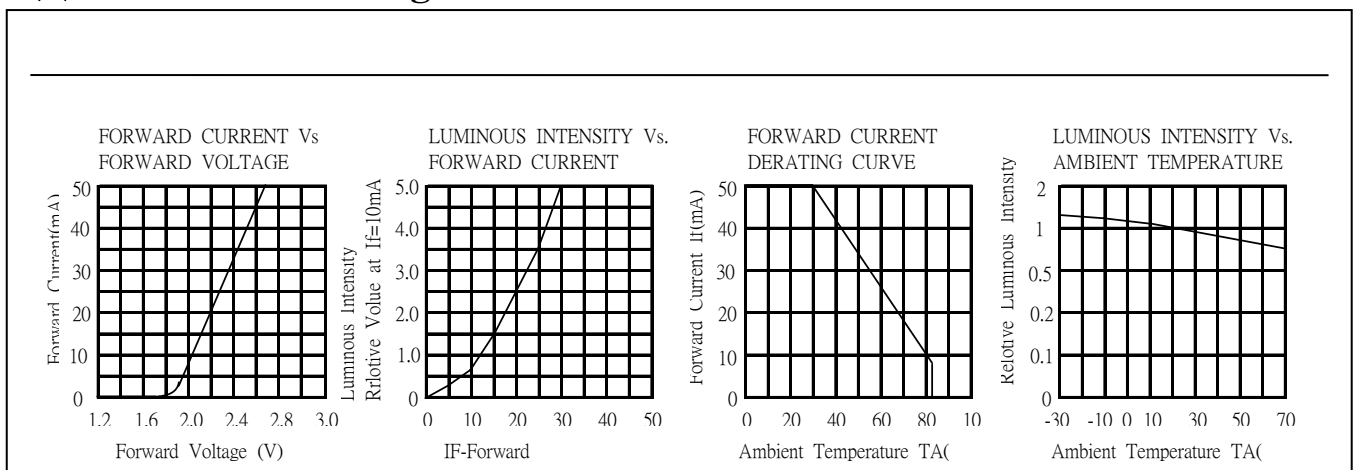
Parameter	Symbol	MAX. Rating	Unit
Power Dissipation	<b>Pd</b>	<b>80</b>	<b>mW</b>
Continuous Forward Current	<b>IF</b>	<b>50</b>	<b>mA</b>
Peak Forward current (10 $\mu$ s Pulse)	<b>IFM</b>	<b>200</b>	<b>mA</b>
Reverse Voltage	<b>VR</b>	<b>5.0</b>	<b>V</b>
Operating Temperature	<b>Topr</b>	<b>-40~+85</b>	<b>°C</b>
Storage Temperature	<b>Tstg</b>	<b>-40~+85</b>	<b>°C</b>

Soldering Temperature :  
Reflow soldering 260 for 10sec./ Hand soldering 300 for 3 sec.

### ★Electric-Optical Characteristics

Parameter	Symbol	Test Condition	MIN	TYP	MAX	Unit
Forward Voltage	<b>VF</b>	<b>IF=20mA</b>		<b>2.0</b>	<b>2.6</b>	<b>V</b>
Reverse Voltage	<b>VR</b>	<b>IR=10uA</b>	<b>5</b>			<b>V</b>
Luminous Intensity	<b>IV</b>	<b>IF=20mA</b>	<b>70</b>	<b>135</b>		<b>mcd</b>
Peak Emission Wavelength	$\lambda P$	<b>IF=20mA</b>		<b>640</b>		<b>nm</b>
Spectrum Width Of Half Value	$\Delta \lambda$	<b>IF=20mA</b>		<b>20</b>		<b>nm</b>

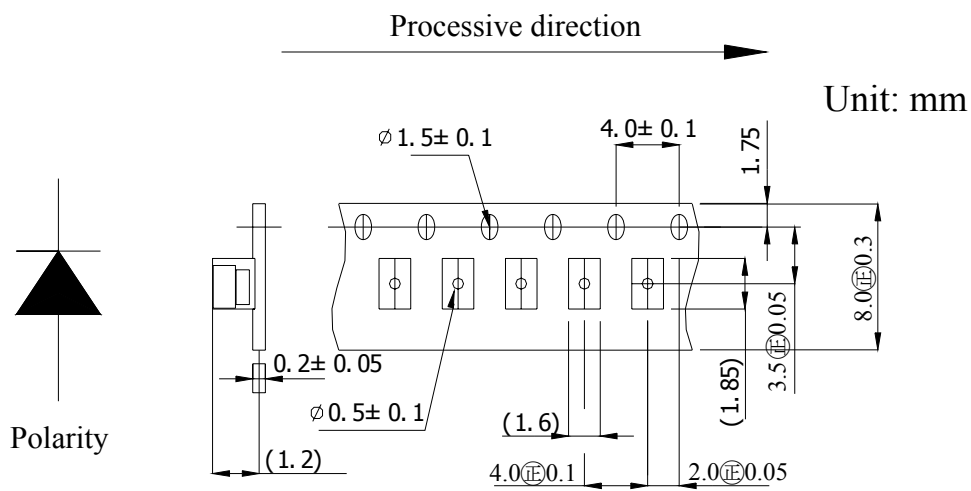
### ★Characteritics Diagrams



## Light Emitting Diode Lamp

Part No: 0805-FLWC-UHR

### ★ Taping and Reel Specifications:



\*Loaded Quantity: 3000pcs/Reel