SAMPLE APPROVAL SHEET

DESCRIPTIONS：

- 2.0x1.2x0.8mm SMD LED
- Emitting Color: RED
- Lens Color:Water Clear

CUSTOMER:_____

MASON   P/N:C0805UR

CUSTOMER P/N:_____

CUSTOMER APPROVED SIGNATURES

APPROVRD BY	CHECKED BY

PRELIMINARY   SPEC

2.0x1.2X0.8mm SMD CHIP LED

PART NO: C0805UR   RED

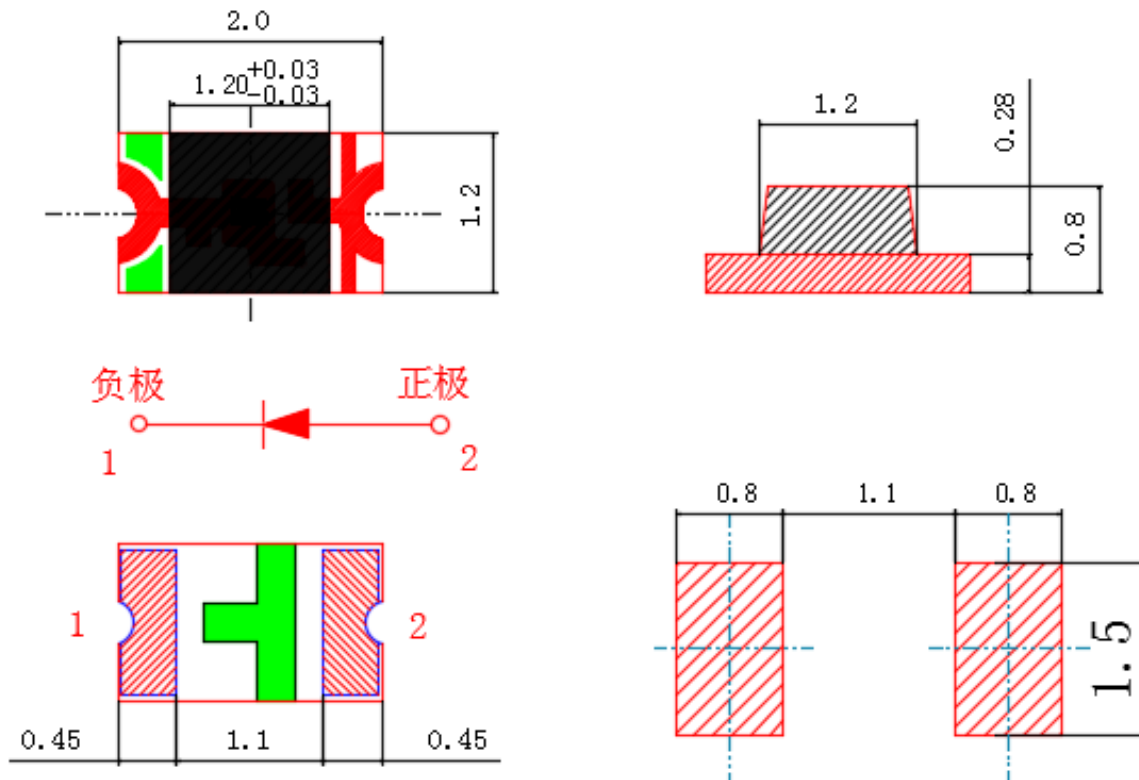## Features

● 2.0mmx1.2mm SMT LED, 0.8m THICKNESS.

● WIDE VIEWING ANGLE.

● IDEAL FOR BACKLIGHT AND INDICATOR.

● PACKAGE : 3000PCS / REEL.

● RoHS COMPLIANT.

Applications

● Automotive: backlighting in dashboard and switch.
● Telecommunication: indicator and back-lighting in telephone and fax.
● Flat backlight for LCD switch and symbol.

◆ Package Dimensions

负极   正极

Notes:
1. All dimensions are in millimeters.
2. Tolerance is ±0.15 unless otherwise noted.
3. Specifications are subject to change without notice.

◆ Device Selection Guide

Part No.	Chip		Lens color
C0805UR	Material	Emitted color	Water Clear
	(AlGaInP)	RED	

◆ Absolute Maximum Ratings at TA=25°C

Parameter	Symbol	Value	Unit
Power Dissipation	PD	60	mW
Forward Current	IF	20	mA
Peak Forward Current*1	IFP	100	mA
Reverse Voltage	VR	5	V
Operating Temperature	Topr	-40°C To +85°C	
Storage Temperature	Tstg	-40°C To +85°C	

Notes:
*1: Pulse width≤0.1ms, Duty cycle≤1/10

◆ Electrical / Optical Characteristics at TA=25°C

Parameter	Symbol	Min	typ	Max	Unit	Test Conditions
Forward Voltage	VF	1.7	—	2.4	V	IF=20mA
Reverse Current	IR	—	—	10	µA	VR=5V
Peak Wave Length	λp	—	625	—	nm	IF=20mA
Dominant Wave Length	λd	615	—	630	nm	
Luminous Intensity	IV	70	—	200	mcd	IF=20mA
Viewing Angle	2θ1/2	—	120	—	Deg.	IF=20mA

Remarks:

If special sorting is required (e.g. binning based on forward voltage, luminous intensity, or chromaticity), the typical accuracy of the sorting process is as follows:

1. Chromaticity Coordinates: ±0.01
2. Luminous Intensity: ±15%
3. Forward Voltage: ±0.1V