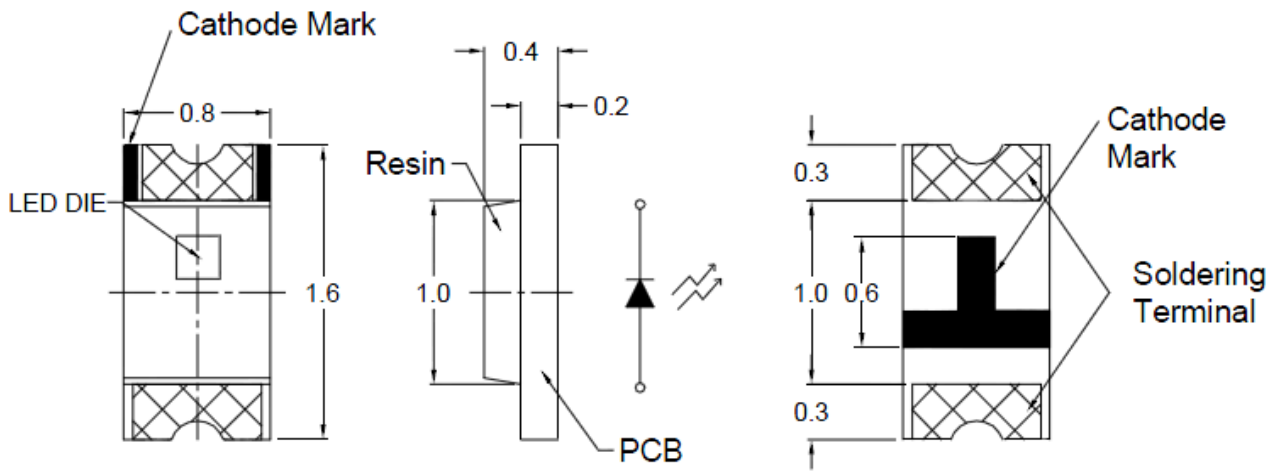
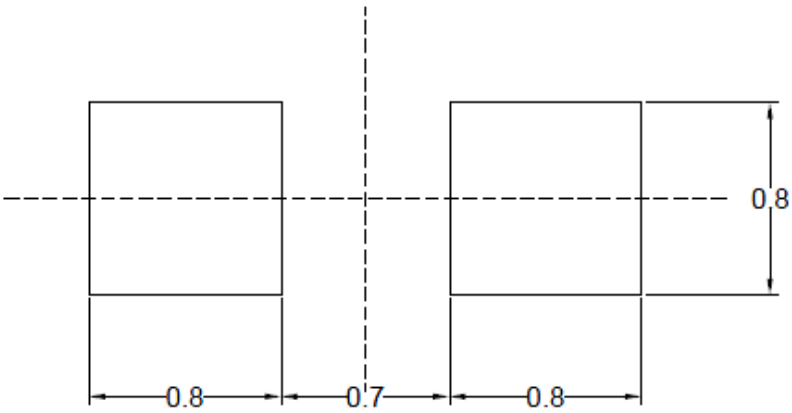


**SPECIFICATION** **CS63CW2C5MA**
**PACKAGE OUTLINES**

**RECOMMEND PAD LAYOUT**


- Notes:
1. All dimensions are in millimeters (inches).
  2. Tolerance is  $\pm 0.25\text{mm}$  (0.01") unless otherwise noted.
  3. Specifications are subject to change without notice.

Part Number	Chip Material	Color of Emission	Lens Type	Viewing Angle
CS63CW2C5MA	InGaN	White	Yellow Diffused	140°



ChromeLED Corp. reserves the right to make changes at any time in order to supply the best product possible. The most current version of this document will always be available at: [www.chromeled.com](http://www.chromeled.com)

**ABSOLUTE MAXIMUM RATINGS**
**(TA=25°C)**

Parameter	Symbol	Max Rating	Unit
Forward Current	IF	30	mA
Reverse Current @ 5V	IR	50	μA
Power Dissipation	Pd	96	mW
Operating Temperature Range	TOP	-20~+85	°C
Storage Temperature Range	TSTG	-30~+100	°C
Peak Pulsing Current (1/10 duty f = 10KHz)	IFP	100	mA
Soldering Temperature	TSOL	Max 260°C for 5 sec Max	

**OPTICAL-ELECTRICAL CHARACTERISTICS**
**(TA=25°C)**

Parameter	Symbol	Test Condition	Value			Unit
			Min	Typ	Max	
Luminous Intensity	Iv	IF = 5mA	80	150	-	mcd
Forward Voltage	VF	IF = 5mA	-	2.9	3.2	V
Reverse Leakage Current	IR	VR = 5V	-	-	10	μA
Viewing Angle at 50% Iv	2θ1/2	IF = 5mA	-	140	-	Deg
Chromaticity Coordinates	X	IF = 5mA	0.21	-	0.35	nm
Chromaticity Coordinates	Y	IF = 5mA	0.15	-	0.40	nm

\*Tolerance of viewing angle: -10 / +5 deg.

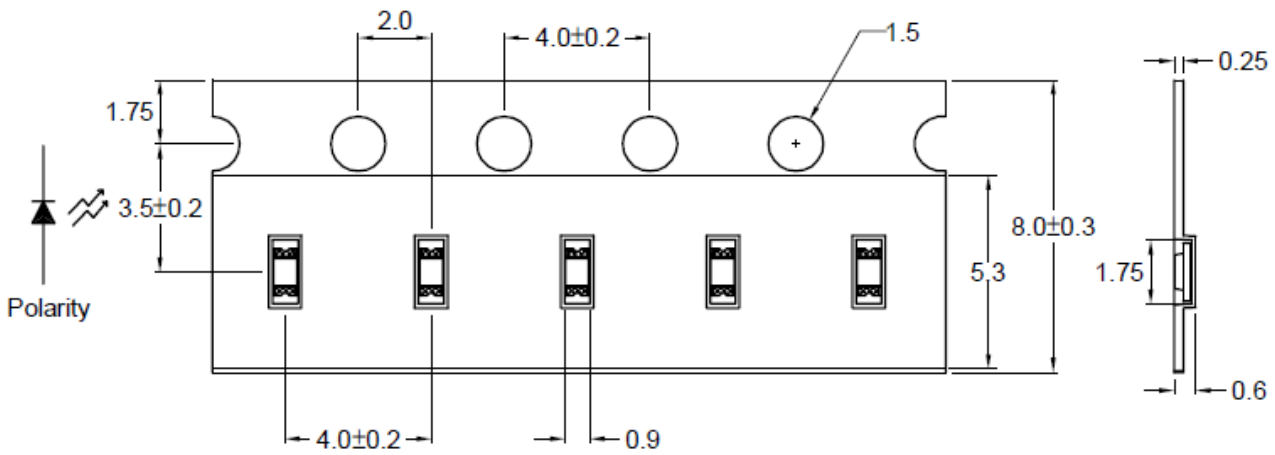


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## PACKAGING SPECIFICATION

### Dimensions of Tape (Unit: mm)



**Notes:**

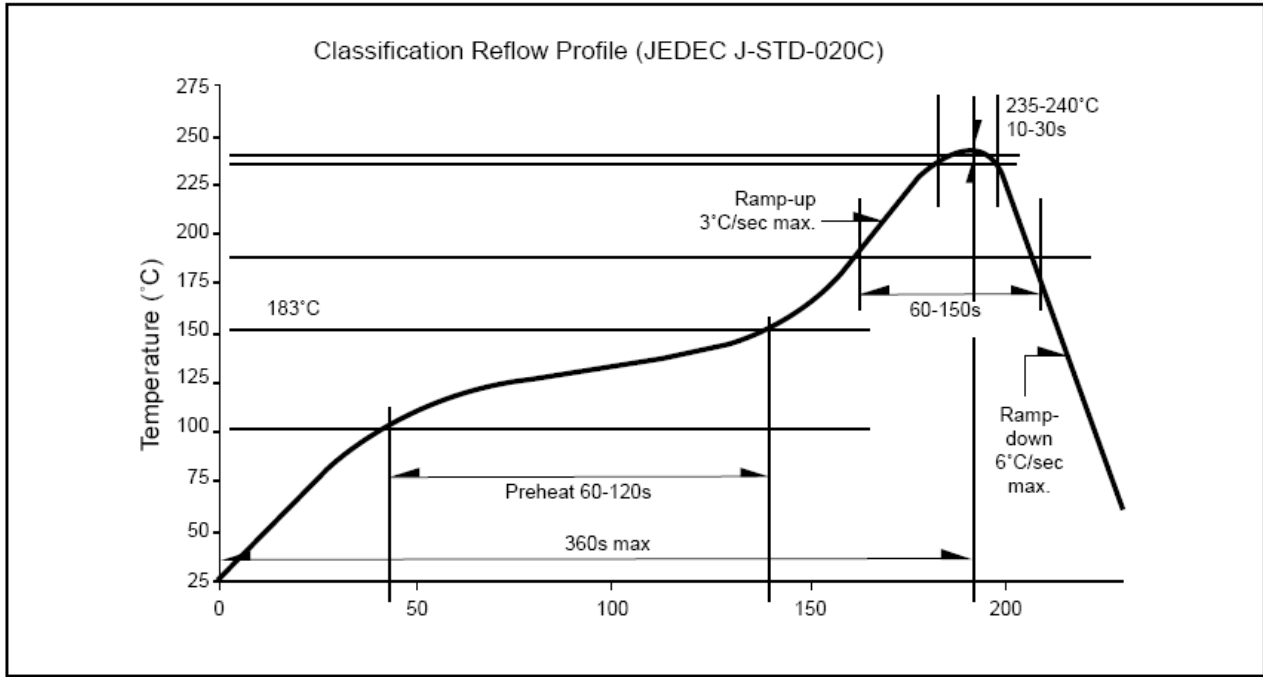
1. Empty component pockets are sealed with top cover tape;
2. The maximum number of missing lamps is two;
3. The cathode is oriented towards the tape sprocket hole.
4. 4,000pcs/Reel



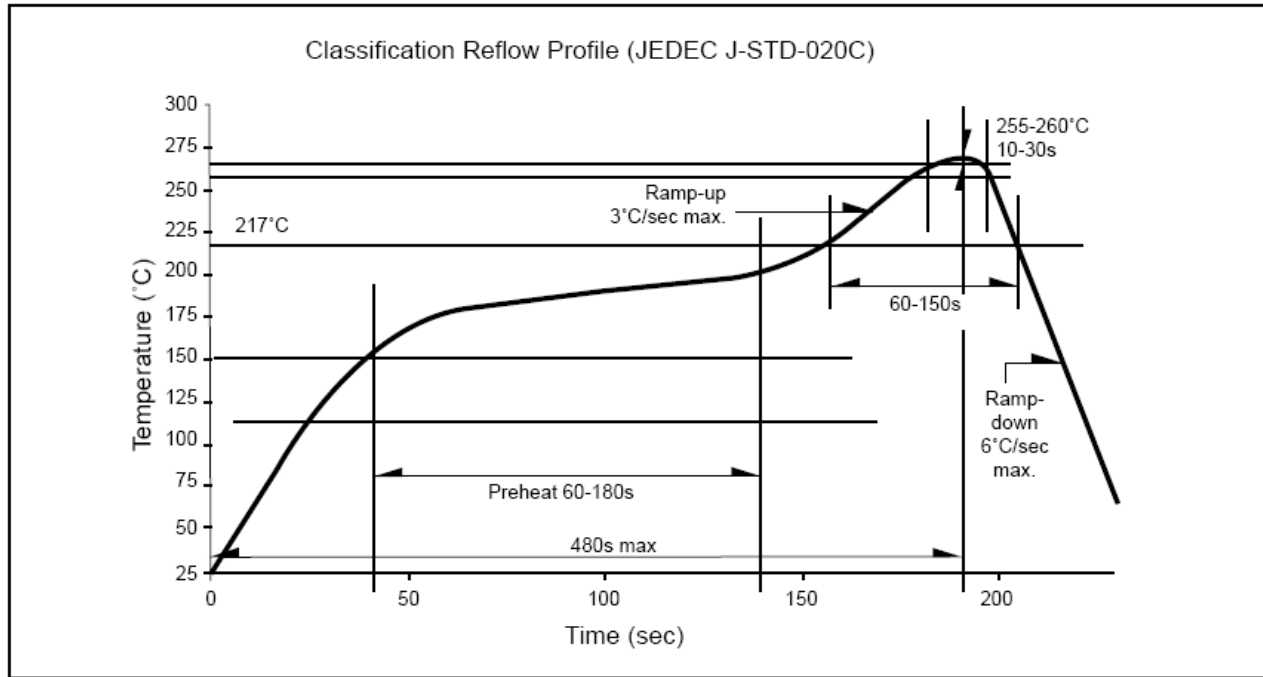
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# SOLDERING CONDITIONS

## RECOMMENDED Sn-PB IR-Reflow Soldering Profile



## RECOMMENDED Pb-Free Soldering Profile



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