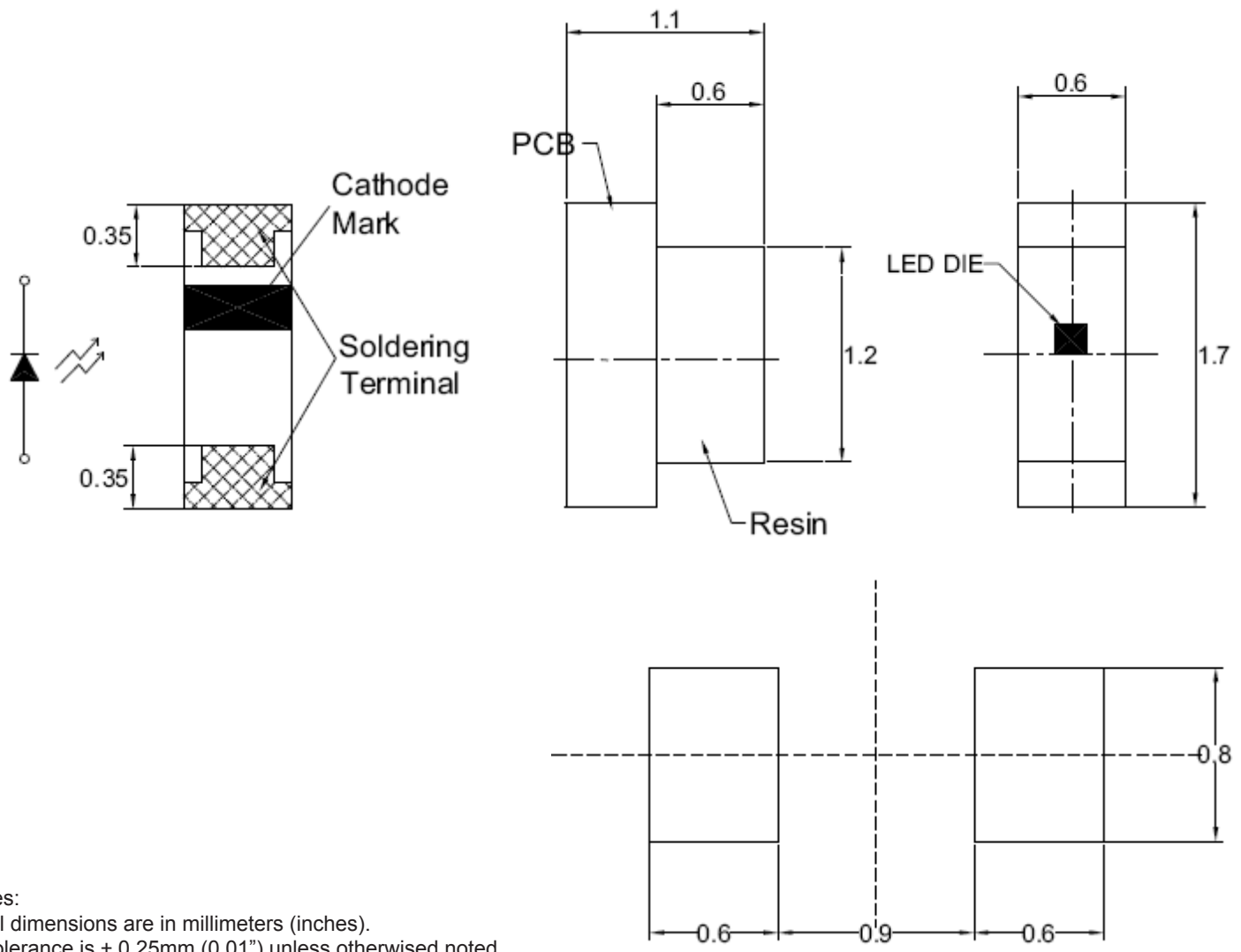


SPECIFICATION **CSR62W2C**
PACKAGE OUTLINES


- 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
CSR62W2C	InGaN	White	Yellow Diffused	130°



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ABSOLUTE MAXIMUM RATINGS
(TA=25°C)

Parameter	Symbol	Max Rating	Unit
Forward Current	IF	20	mA
Reverse Current @ 5V	IR	50	μA
Power Dissipation	Pd	80	mW
Operating Temperature Range	TOP	-40~+85	°C
Storage Temperature Range	TSTG	-40~+90	°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 = 20mA	125	320	-	mcd
Forward Voltage	VF	IF = 20mA	-	3.5	4.0	V
Reverse Leakage Current	IR	VR = 5V	-	-	50	μA
Viewing Angle at 50% Iv	2θ1/2	IF = 20mA	-	130	-	Deg
Chromaticity Coordinates	X	IF = 20mA	0.21	-	0.35	-
	Y	IF = 20mA	0.15	-	0.40	-

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



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OPTICAL CHARACTERISTIC CURVES

Fig.1 Forward current vs. Forward Voltage

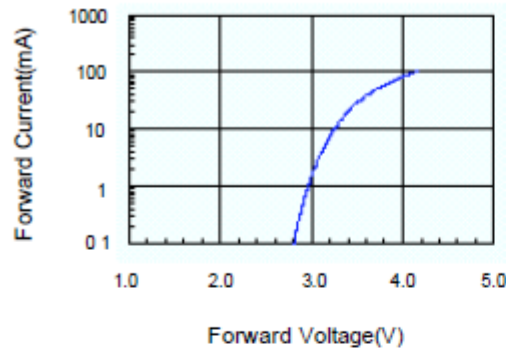


Fig.2 Relative Intensity vs. Forward Current

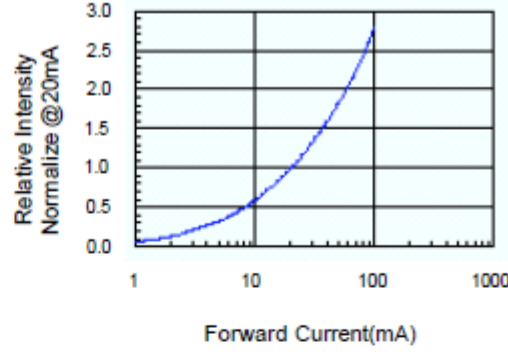


Fig.3 Forward Voltage vs. Temperature

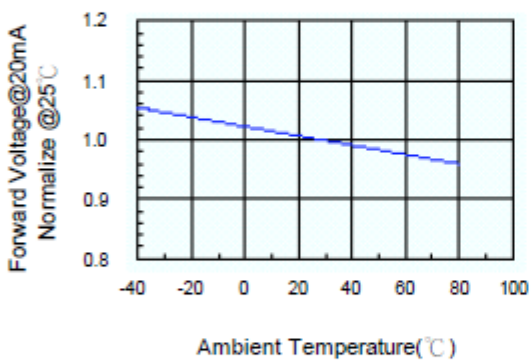


Fig.4 Relative Intensity vs. Temperature

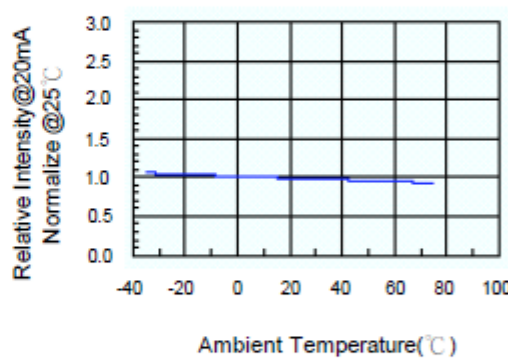


Fig.5 Luminous Spectrum (Ta=25°C)

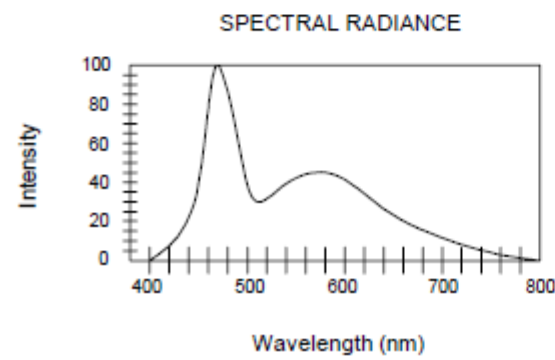
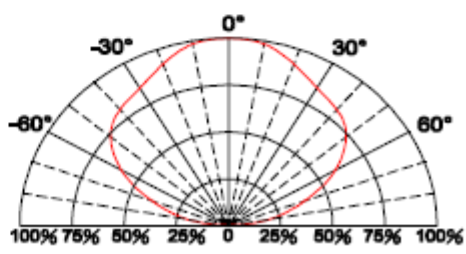


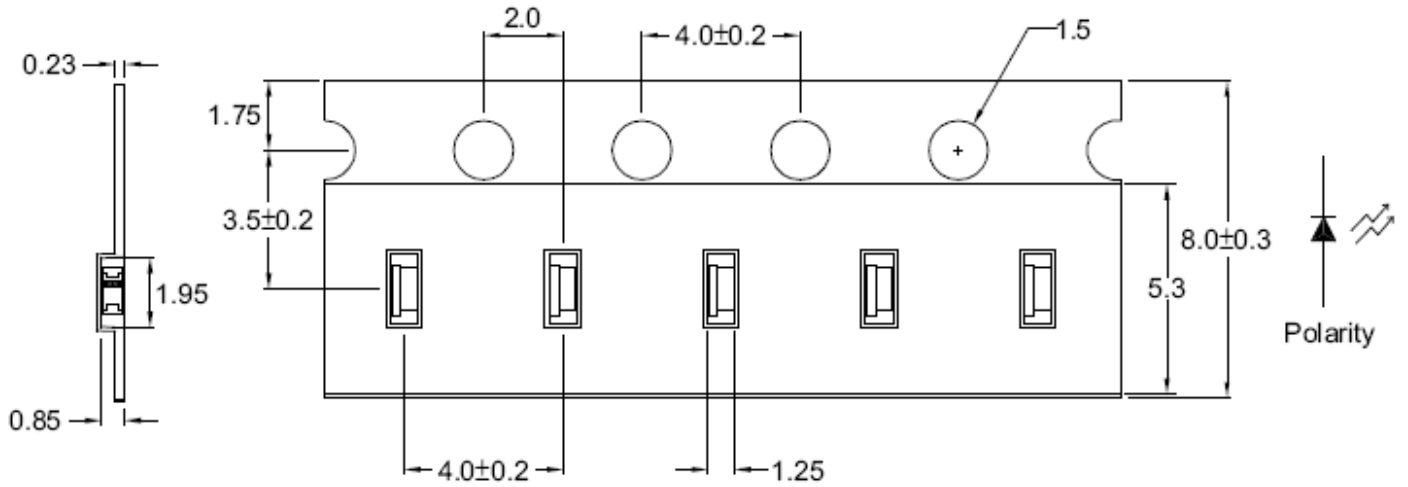
Fig.6 Directive Radiation



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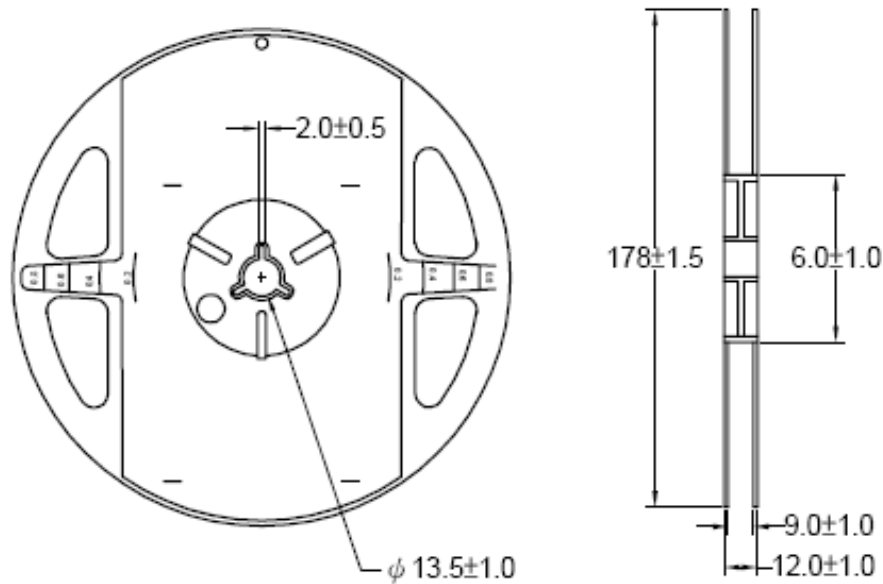
PACKAGING SPECIFICATION

CARRIER TAPE DIMENSION



Note: The tolerances unless mentioned are ±0.1mm, Angle ±0.5; Unit=mm

REEL DIMENSIONS



Notes:

1. 4000 pieces per reel.

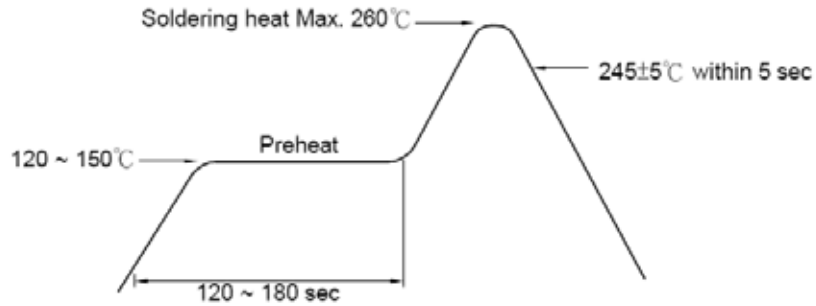


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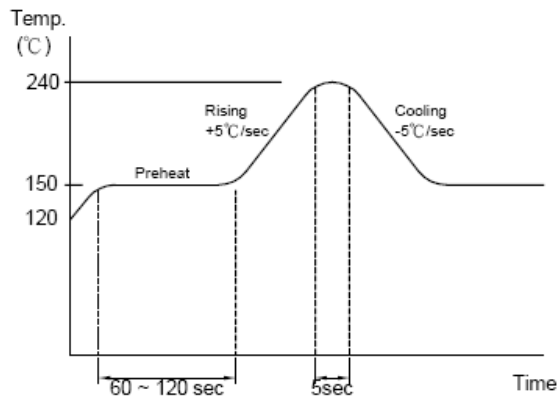
SOLDERING CONDITIONS

1. Hand Solder
Basic spec is $\leq 280^{\circ}\text{C}$ 3 sec one time only.

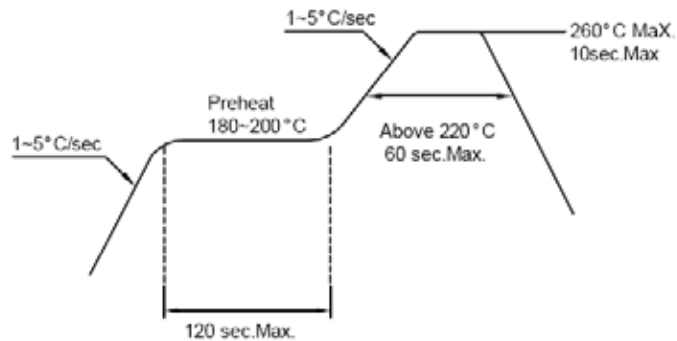
2. Wave Solder



3-1. LEAD Reflow Solder



3-2. PB-Free Reflow Solder



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