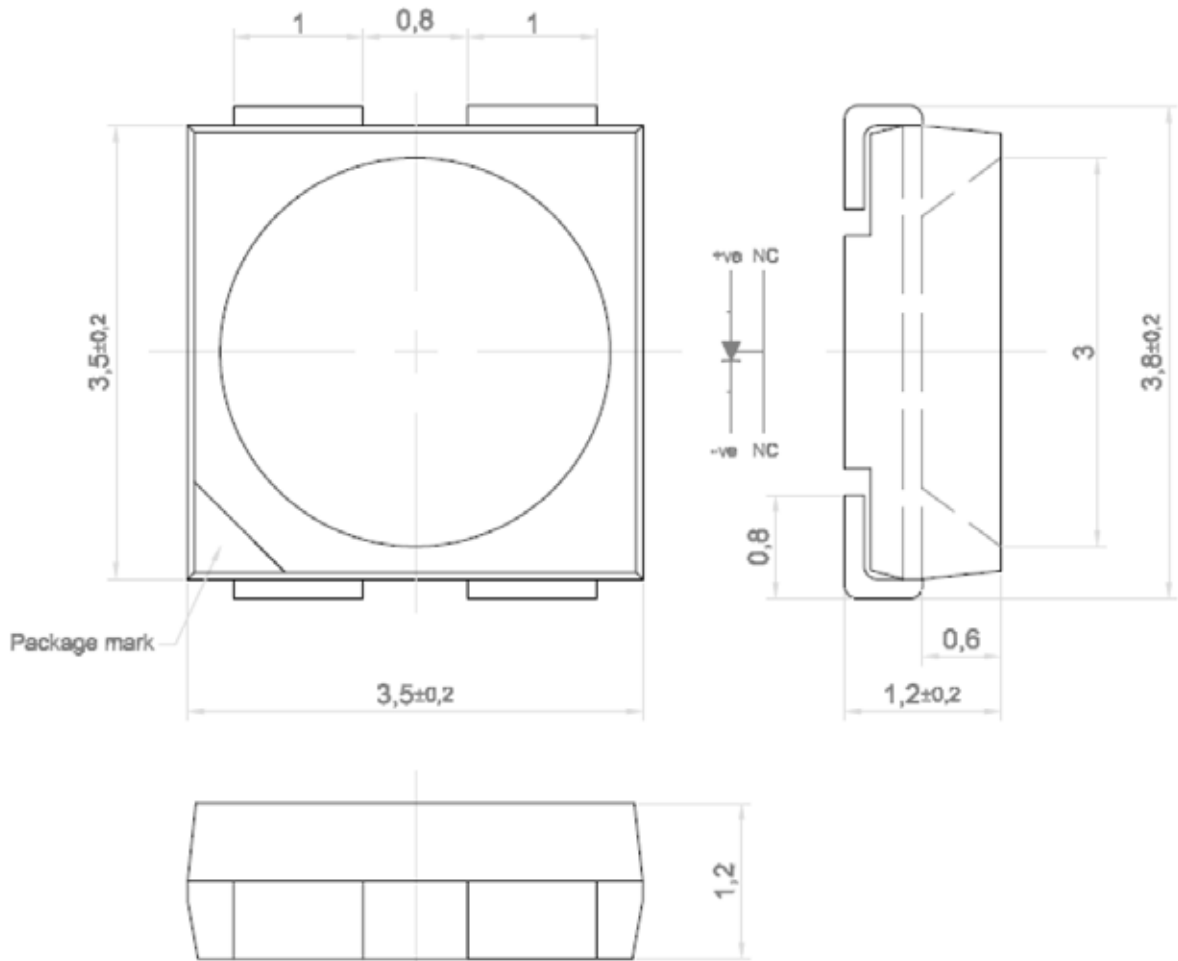


**SPECIFICATIONS** **CSH3537W1C**
**PACKAGE OUTLINES**


- Notes:
1. All dimensions are in millimeter (inches).
  2. Tolerance is  $\pm 0.25$ 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
CSH3537W1C	InGaN	White	Yellow	120°



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

Parameter	Symbol	Max Rating	Unit
Forward Current	I <sub>F</sub>	70	mA
ESD Threshold (HBM)	V	2000	V
Reverse Voltage	V	12	V
Junction Temperature	T <sub>J</sub>	125	°C
Operating Temperature Range	T <sub>OP</sub>	-40~+100	°C
Storage Temperature Range	T <sub>STG</sub>	-40~+100	°C
Peak Pulsing Current (1/10 duty f = 10KHz)	I <sub>FP</sub>	100	mA
Soldering Temperature	T <sub>SOL</sub>	Max 260°C for 5 sec Max	

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

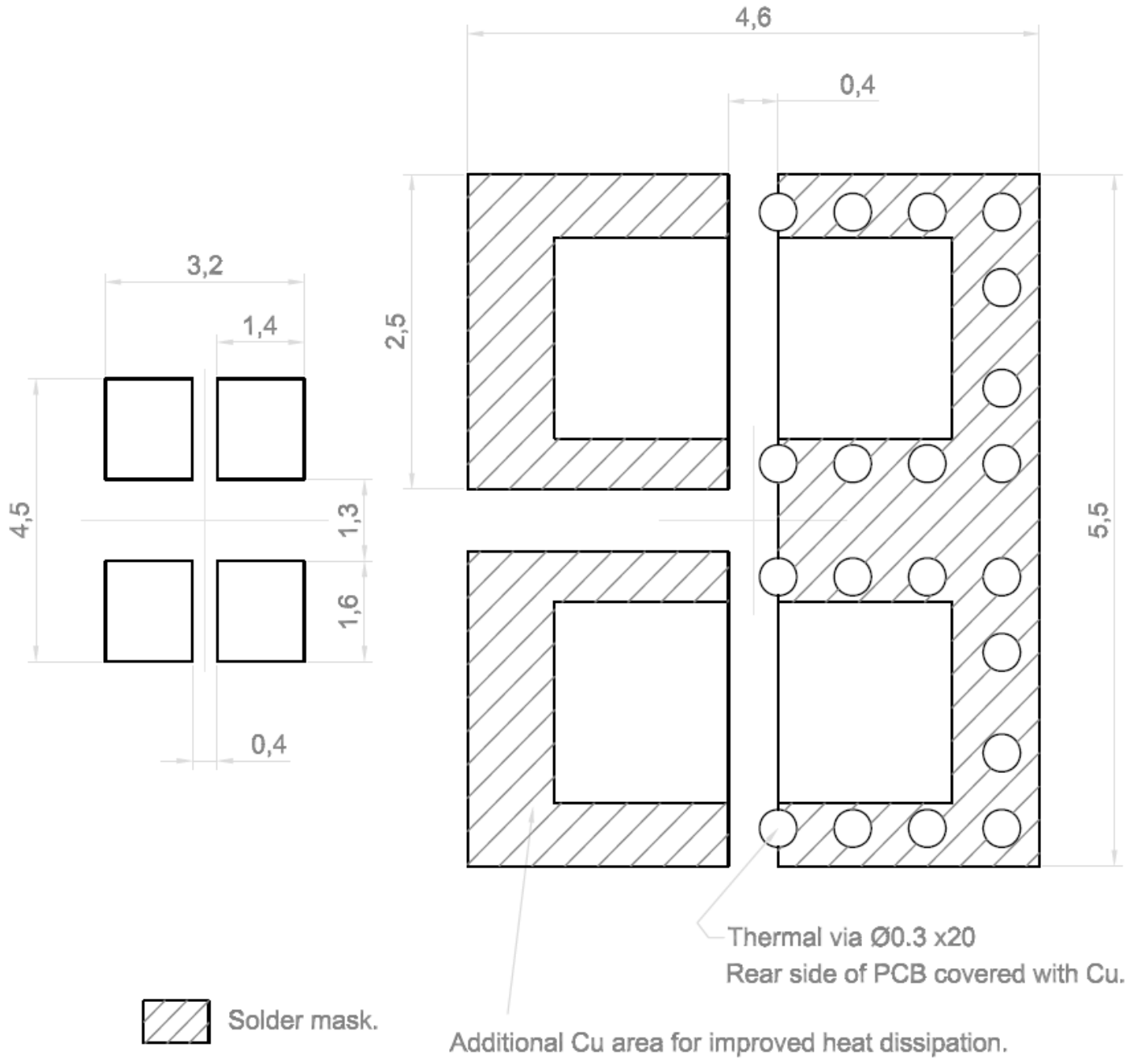
Parameter	Symbol	Test Condition	Value			Unit
			Min	Typ	Max	
Chromaticity Coordinate	X	I <sub>F</sub> = 60mA	-	0.30		-
Chromaticity Coordinate	Y	I <sub>F</sub> = 60mA	-	0.31		-
Reverse Leakage Current	I <sub>R</sub>	V <sub>R</sub> = 5V	-	-	10	μA
Forward Voltage	V <sub>F</sub>	I <sub>F</sub> = 60mA	-	3.3	3.6	V
Luminous Intensity	I <sub>v</sub>	I <sub>F</sub> = 60mA	5200	6000	-	mcd

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



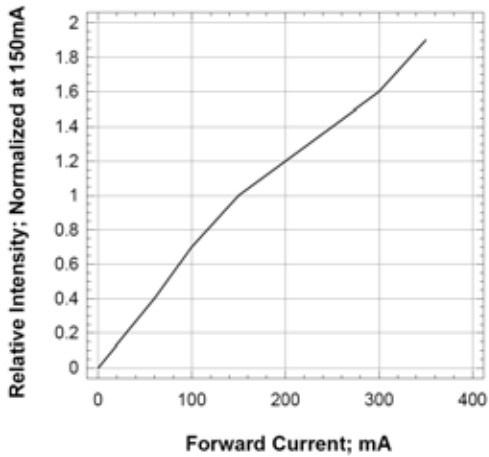
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RECOMMENDED SOLDER PAD

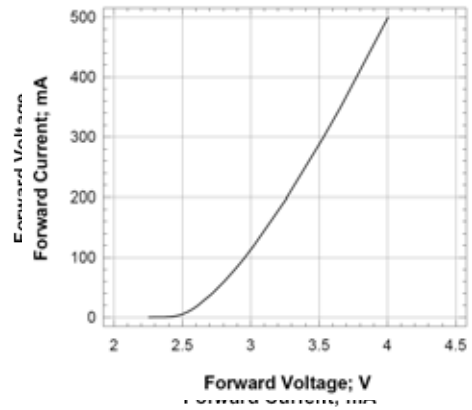


## OPTICAL CHARACTERISTIC CURVES

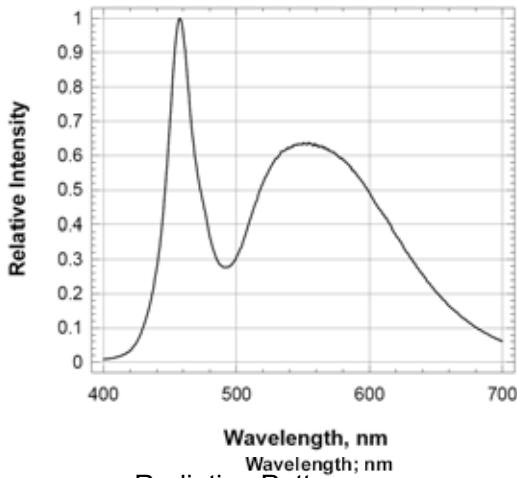
Relative Intensity Vs. Forward Current



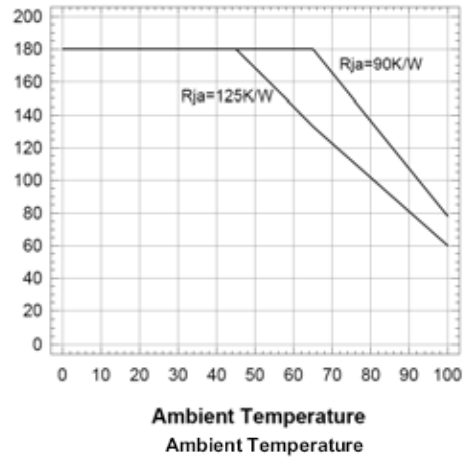
Forward Voltage Vs. Forward Current



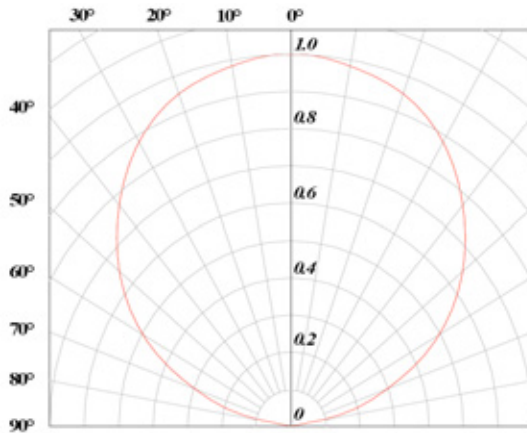
Relative Intensity Vs. Wavelength



Forward Current Vs. Ambient Temperature

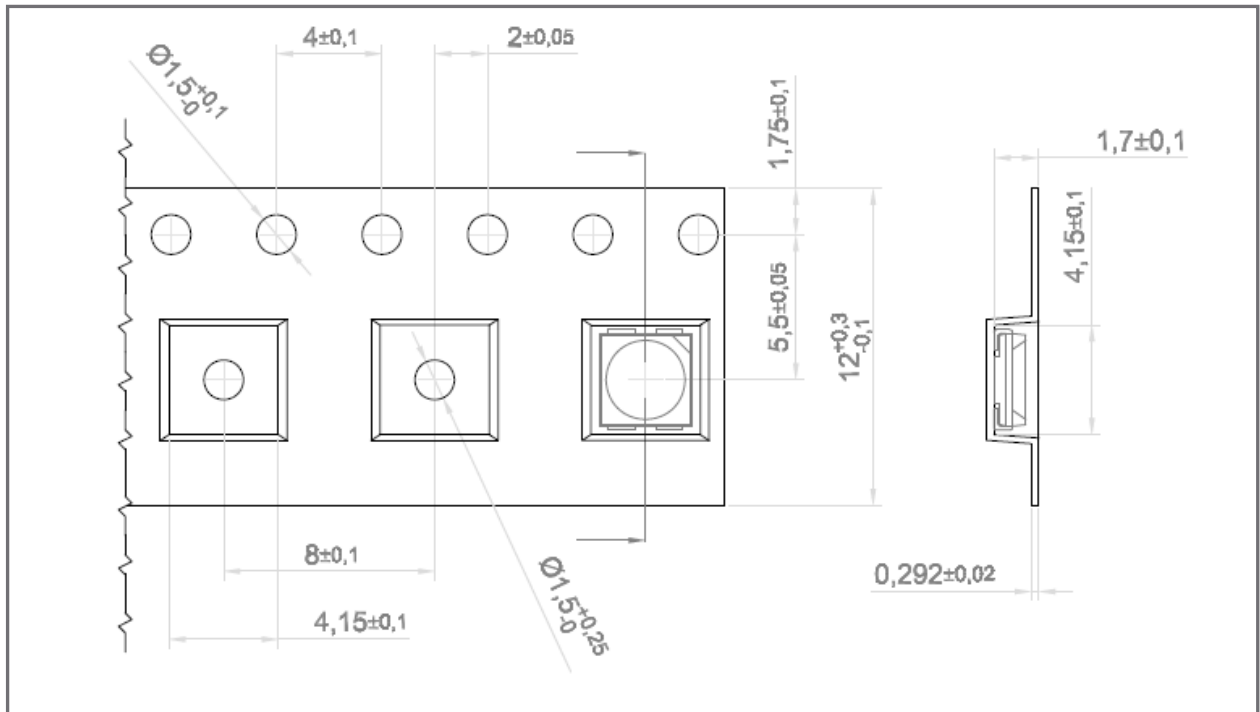
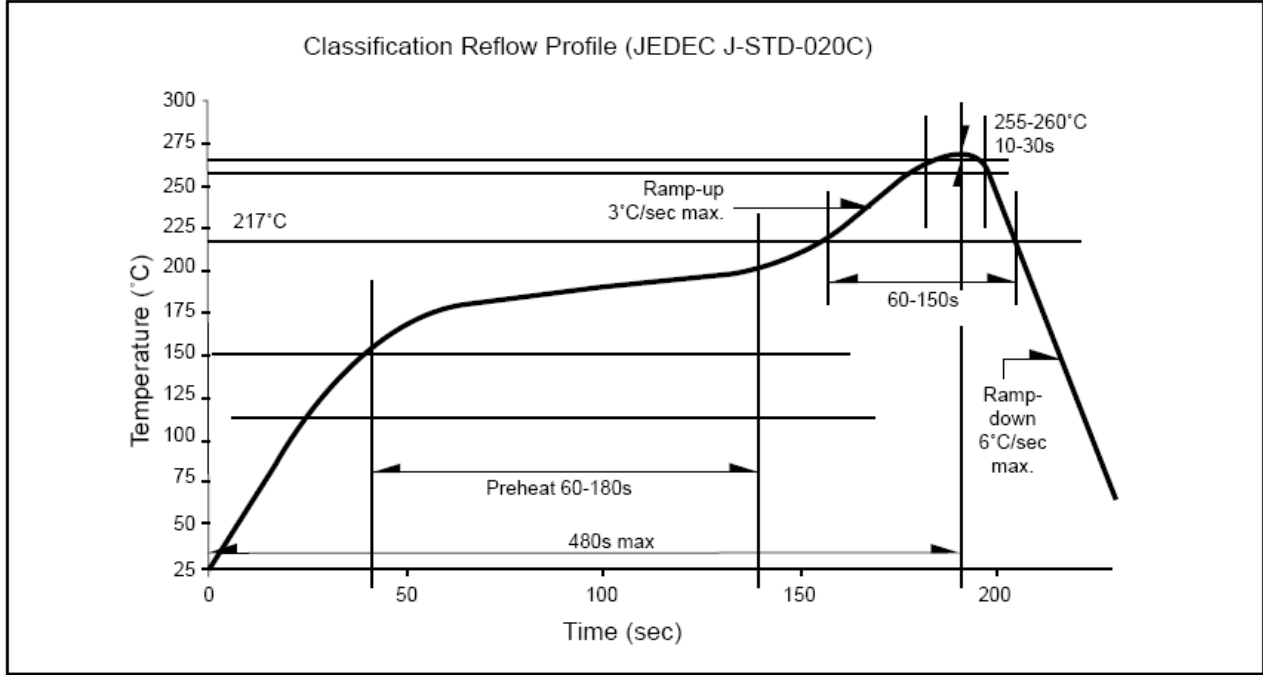


Radiation Pattern



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# SOLDERING CONDITIONS & TAPING ORIENTATION



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