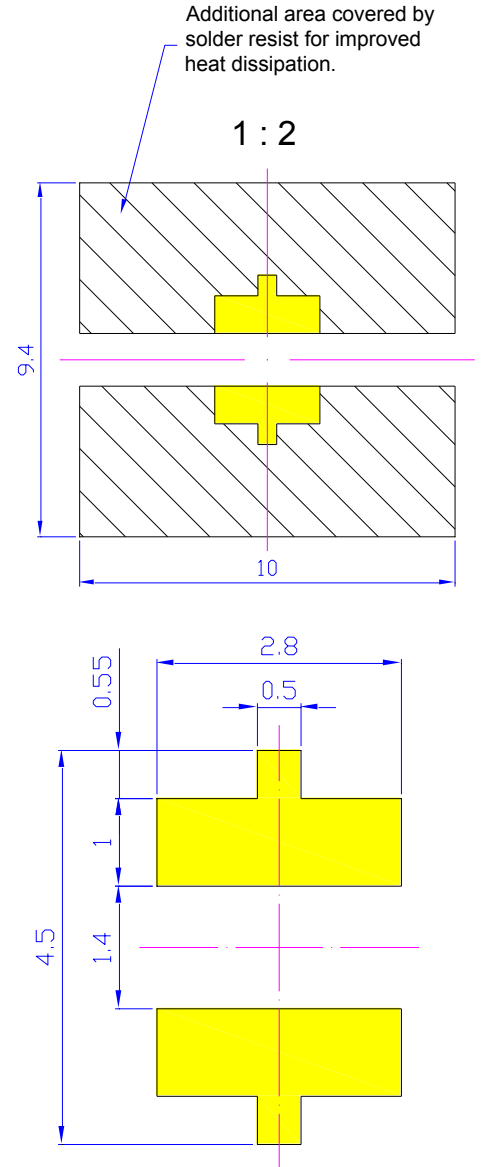
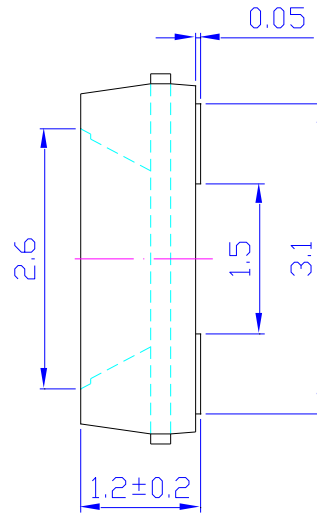
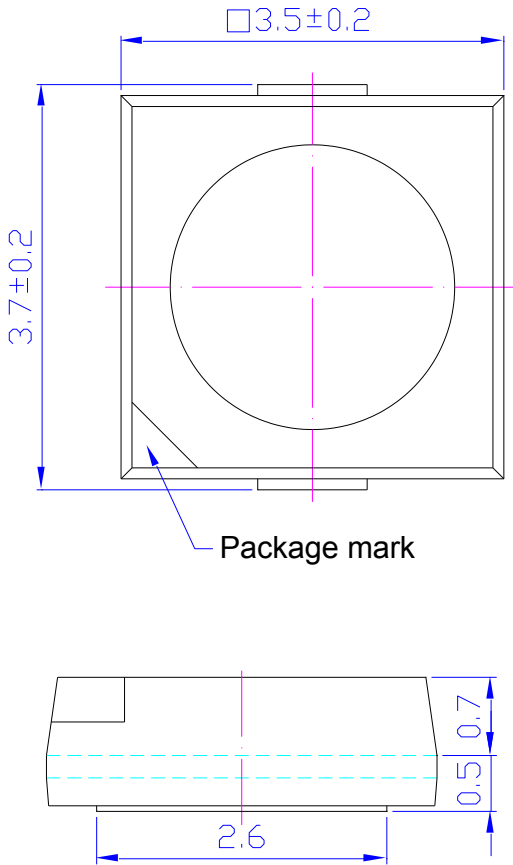


SPECIFICATION
CSH3537CW2C
PACKAGE OUTLINES


- 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
CSH3537CW2C	InGaN	White	Yellow	120°



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ABSOLUTE MAXIMUM RATINGS
(TA=25°C)

Parameter	Symbol	Max Rating	Unit
Forward Current	IF	180	mA
ESD Threshold (HBM)	-	2000	V
LED Junction Temperature	-	125	°C
Operating Temperature Range	TOP	-40~+110	°C
Storage Temperature Range	TSTG	-40~+125	°C
Peak Pulsing Current (1/10 duty f = 10KHz)	IFP	350	mA
Soldering Temperature	TSOL	Max 260°C for 5 sec Max	

OPTICAL-ELECTRICAL CHARACTERISTICS
(TA=25°C)

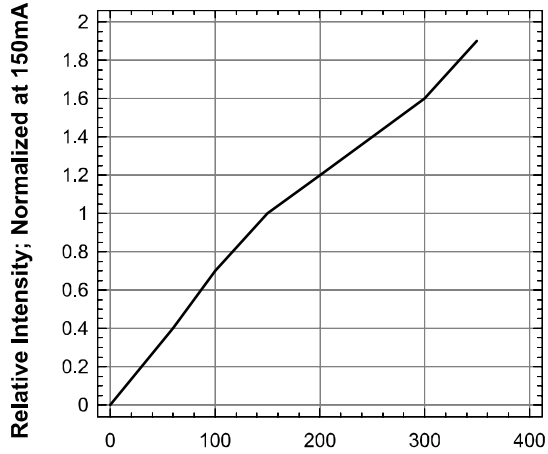
Parameter	Symbol	Test Condition	Value			Unit
			Min	Typ	Max	
Luminous Intensity	Iv	IF = 150mA	39.8	53.5	-	lm
Reverse Leakage Current	IR	VR = 5V	-	-	10	µA
Forward Voltage	VF	IF = 150mA	-	3.4	3.9	V
Viewing Angle at 50% Iv	2θ1/2	IF = 150mA	-	120	-	Deg
Chromaticity Coordinates	X	IF = 150mA	-	0.33	-	-
	Y		-	0.34	-	-

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

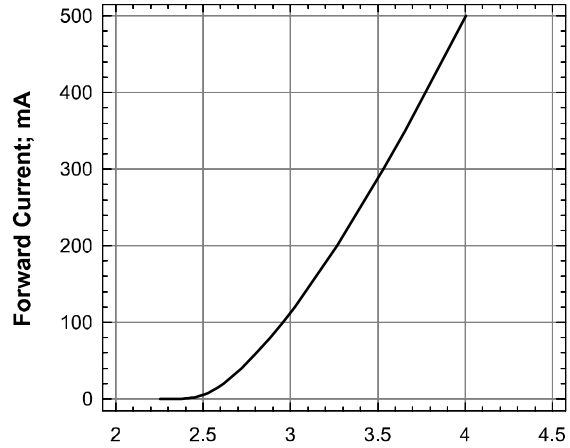


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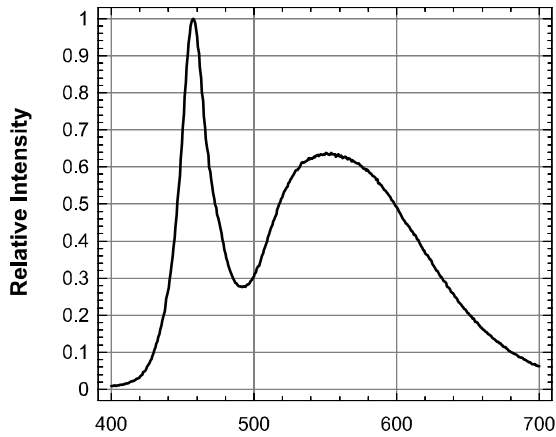
OPTICAL CHARACTERISTIC CURVES



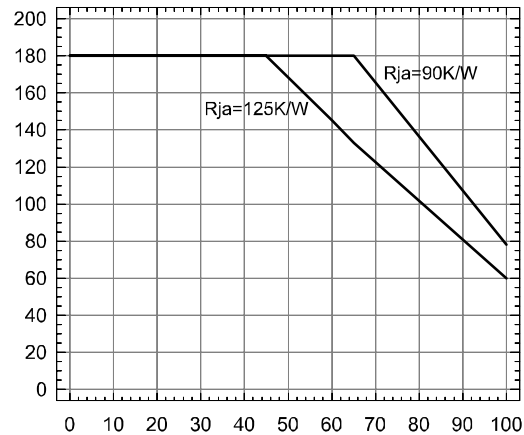
Forward Current (mA)
Relative Intensity Vs Forward Current



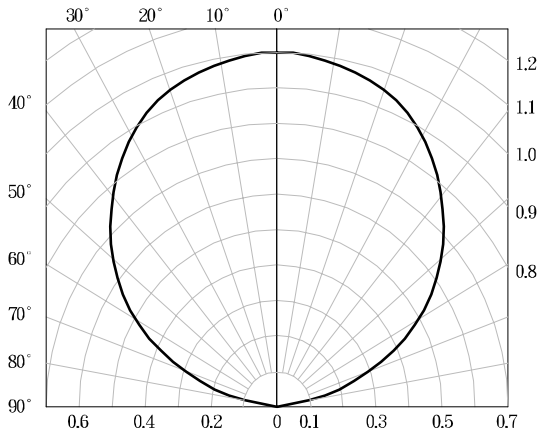
Forward Voltage (V)
Forward Current vs Forward Voltage



Wavelength (nm)
Relative Intensity Vs Wavelength



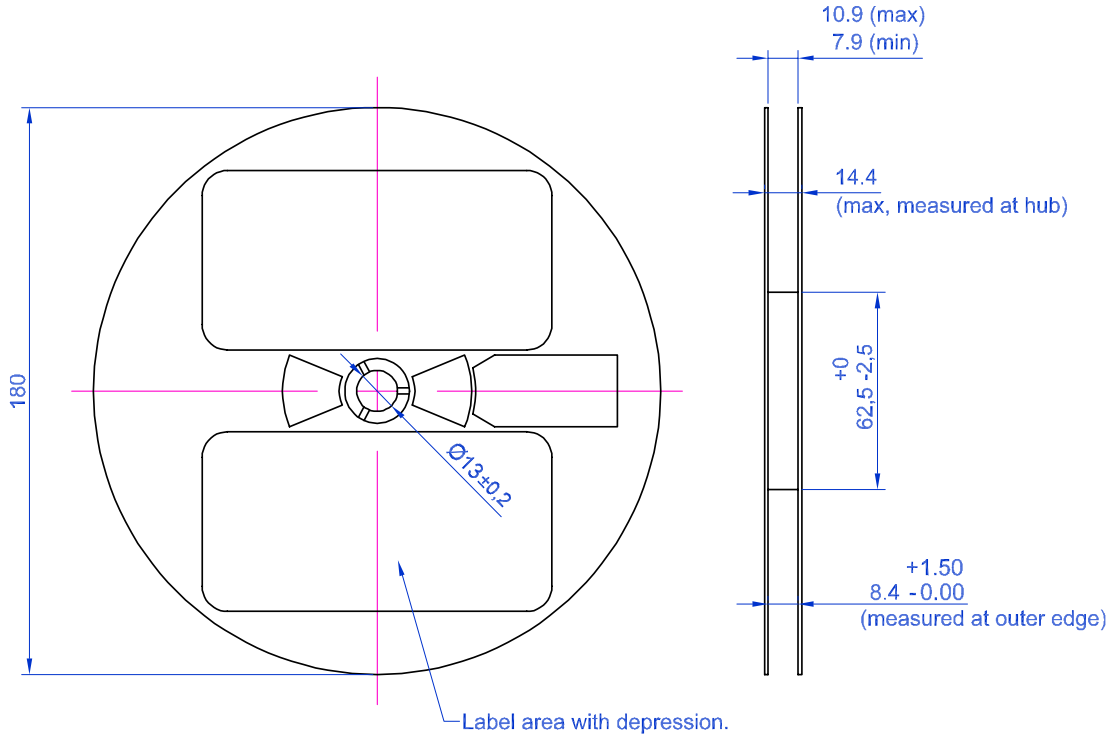
Ambient Temperature
Forward Current Vs Ambient Temperature



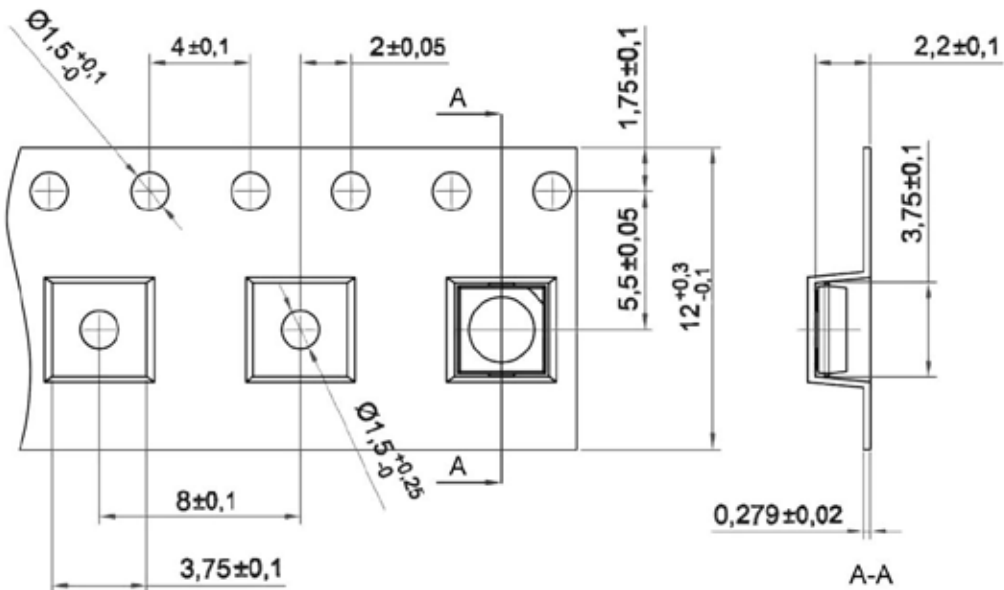
Radiation Pattern



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PACKAGING SPECIFICATION


- **CARRIER TAPE DIMENSIONS : 1000 PCS PER REEL**



Note : Tolerance unless dimension $\pm 1\text{mm}$. Unit = mm

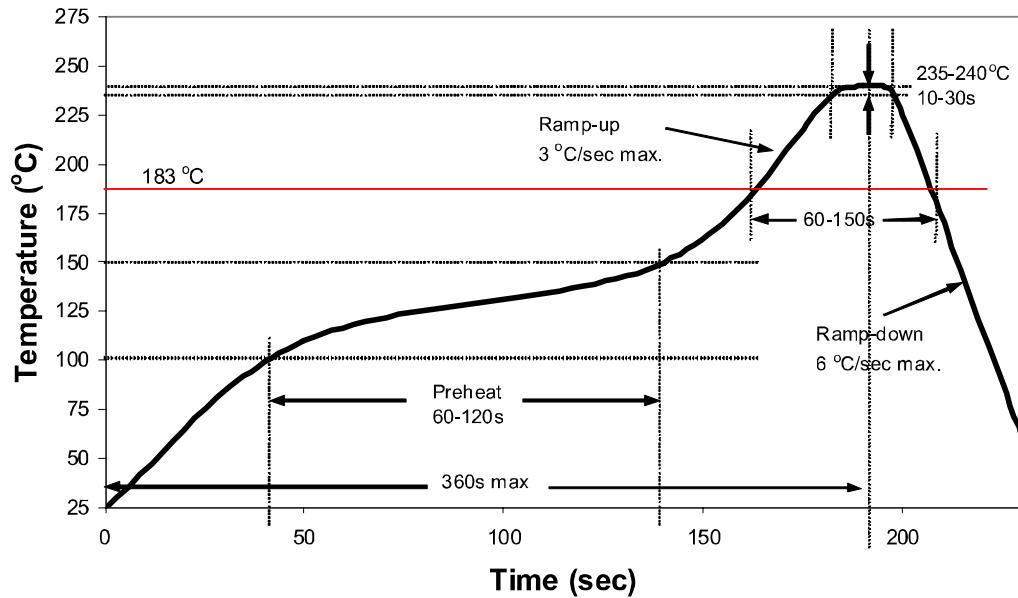


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SOLDERING CONDITIONS

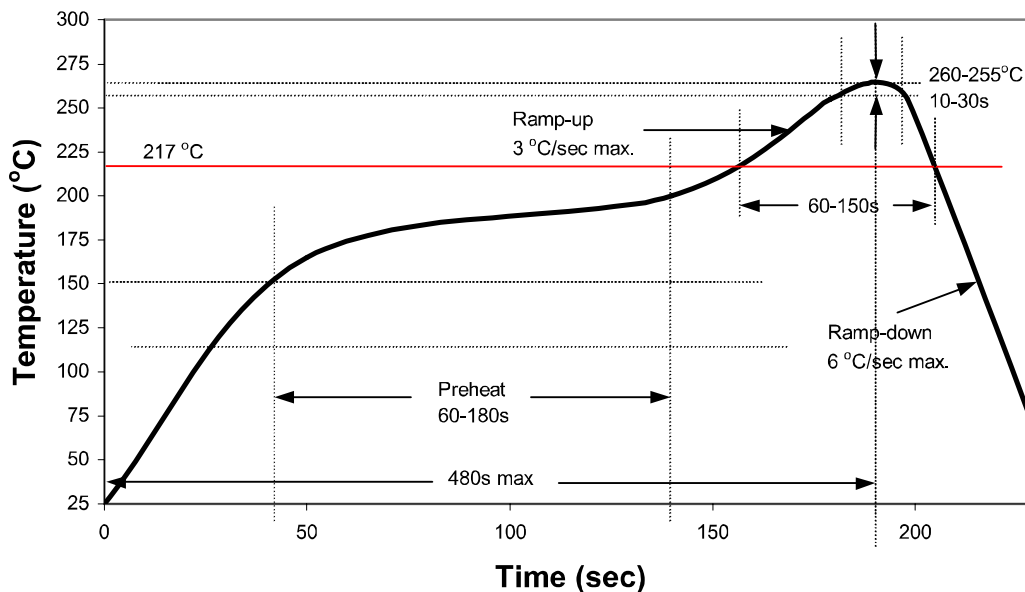
● **RECOMMENDED Sn-Pb IR-Reflow SOLDERING PROFILE.**

Classification Reflow Profile (JEDEC J-STD-020C)



● **RECOMMENDED Pb Free IR-Reflow SOLDERING PROFILE.**

Classification Reflow Profile (JEDEC J-STD-020C)



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