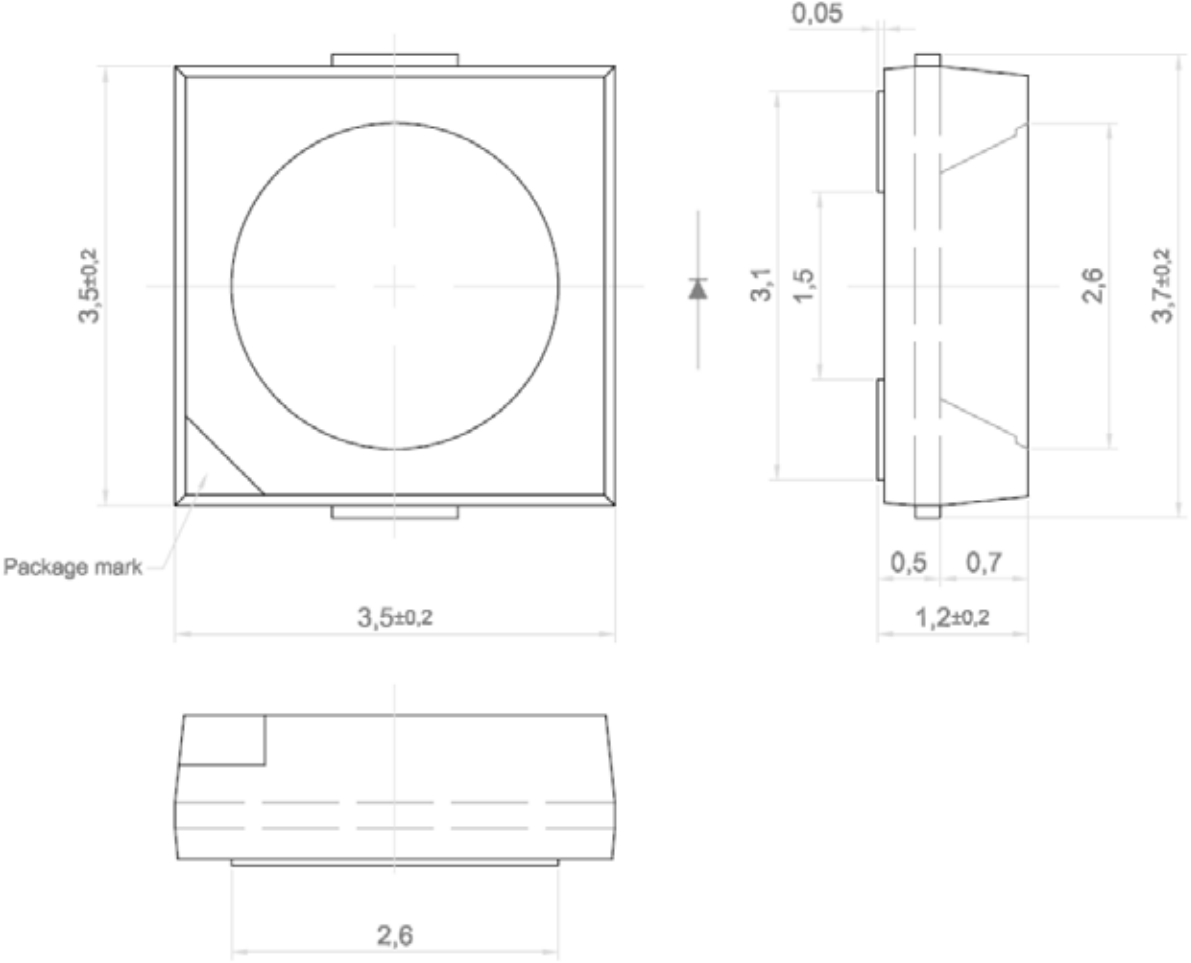


SPECIFICATION **CSH3537NW2C**
PACKAGE OUTLINES


- Notes:
1. All dimensions are in millimeters (inches).
 2. Tolerance is ± 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
CSH3537NW2C	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~+100	°C
Storage Temperature Range	TSTG	-40~+100	°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)

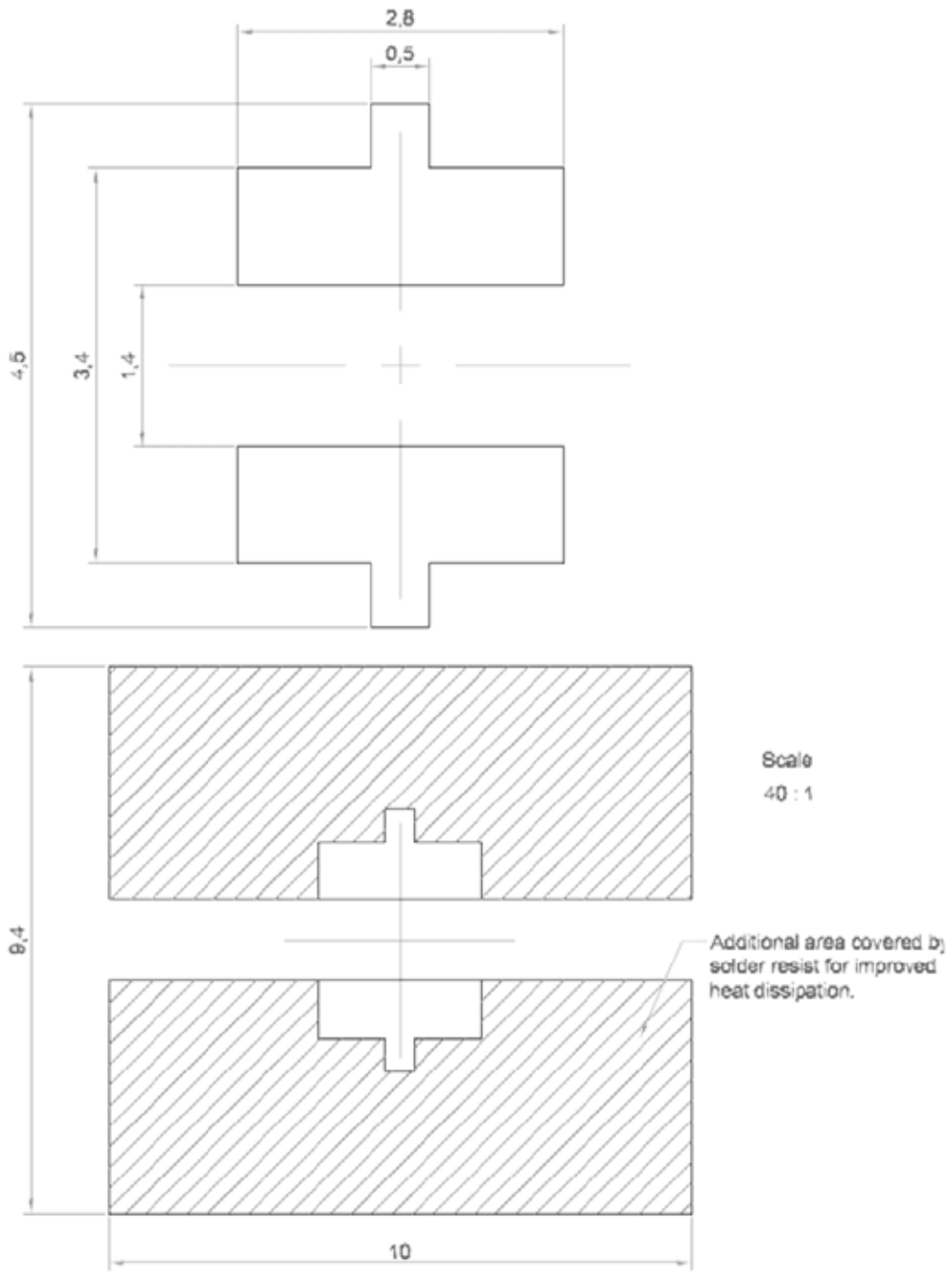
Parameter	Symbol	Test Condition	Value			Unit
			Min	Typ	Max	
Luminous Intensity	Iv	IF = 150mA	39.8	53.5	-	lm
Reverse Leakage Current	IR	VR = 5V	-	-	10	µA
Forward Voltage	VF	IF = 150mA	-	3.2	3.6	V
Viewing Angle at 50% Iv	2θ1/2	IF = 150mA	-	120	-	Deg
Chromaticity Coordinates	X	IF = 150mA	-	0.39	-	-
	Y		-	0.39	-	-

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



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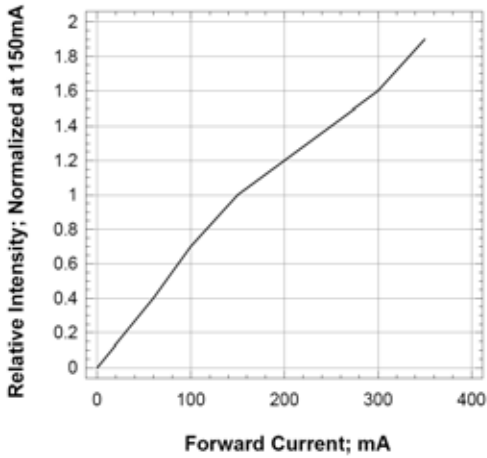
RECOMMENDED SOLDER PAD DESIGN



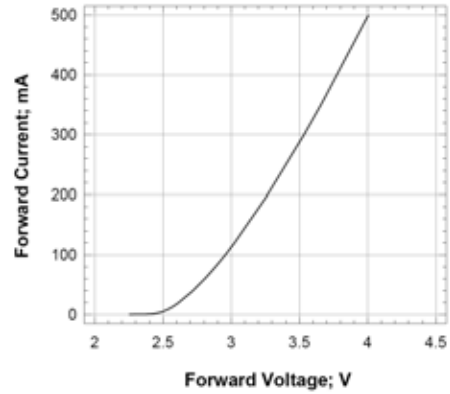
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OPTICAL CHARACTERISTIC CURVES

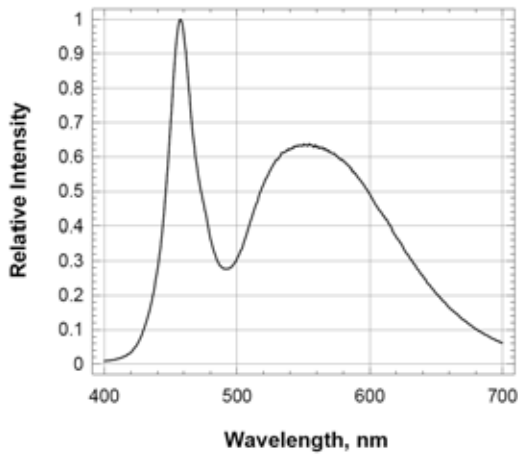
Relative Intensity Vs. Forward Current



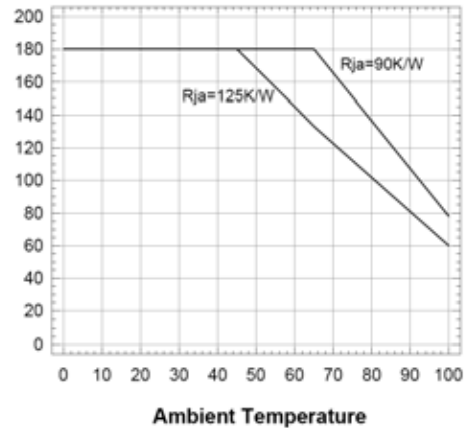
Forward Current Vs. Forward Voltage



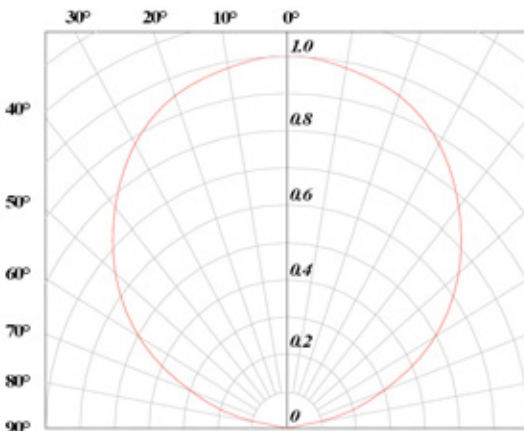
Relative Intensity Vs. Wavelength



Forward Current Vs. Ambient Temperature



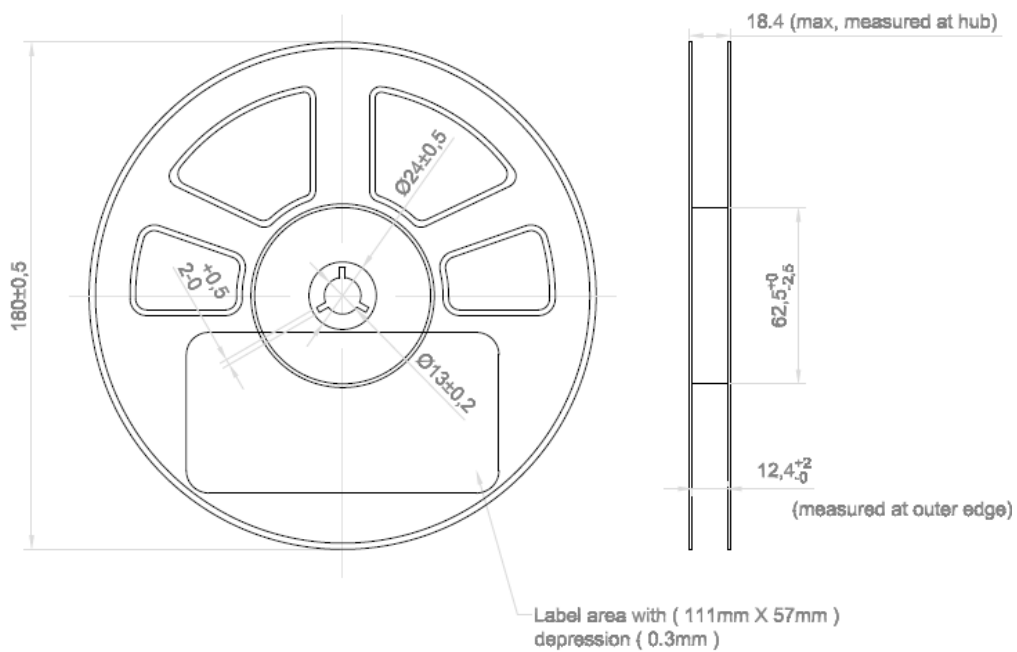
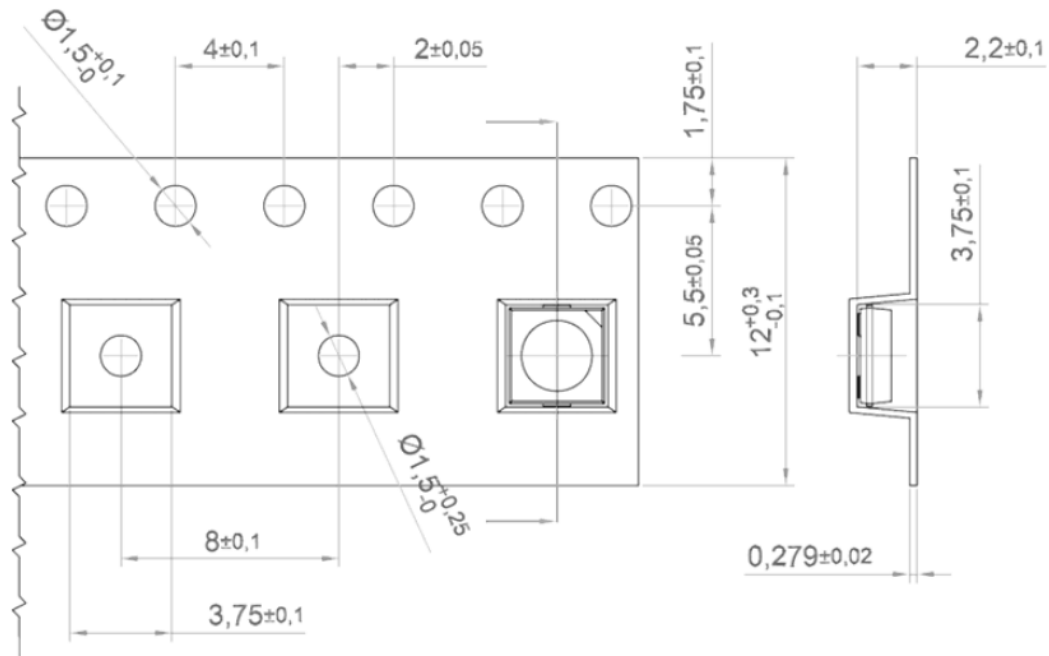
Radiation Pattern



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PACKAGING SPECIFICATION
TAPING AND ORIENTATION

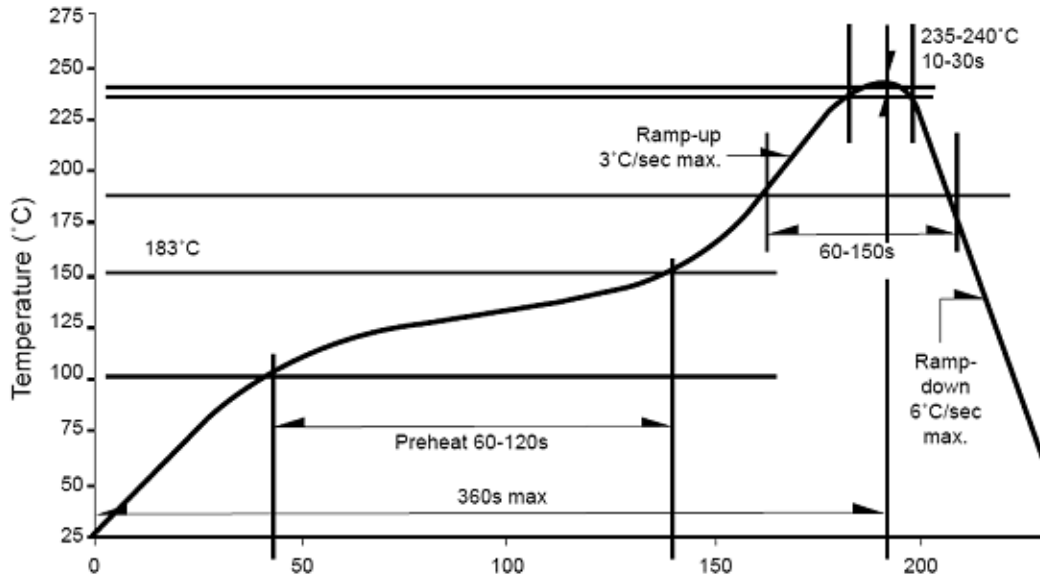
Reels come in quantity of 1000 units. Reel diameter is 180mm.



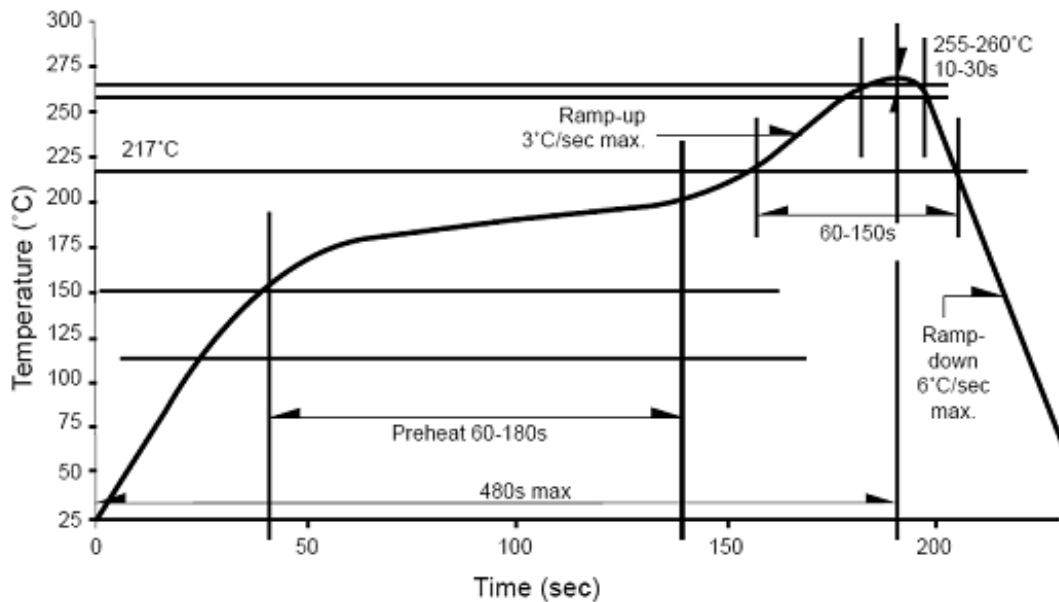
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SOLDERING CONDITIONS

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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