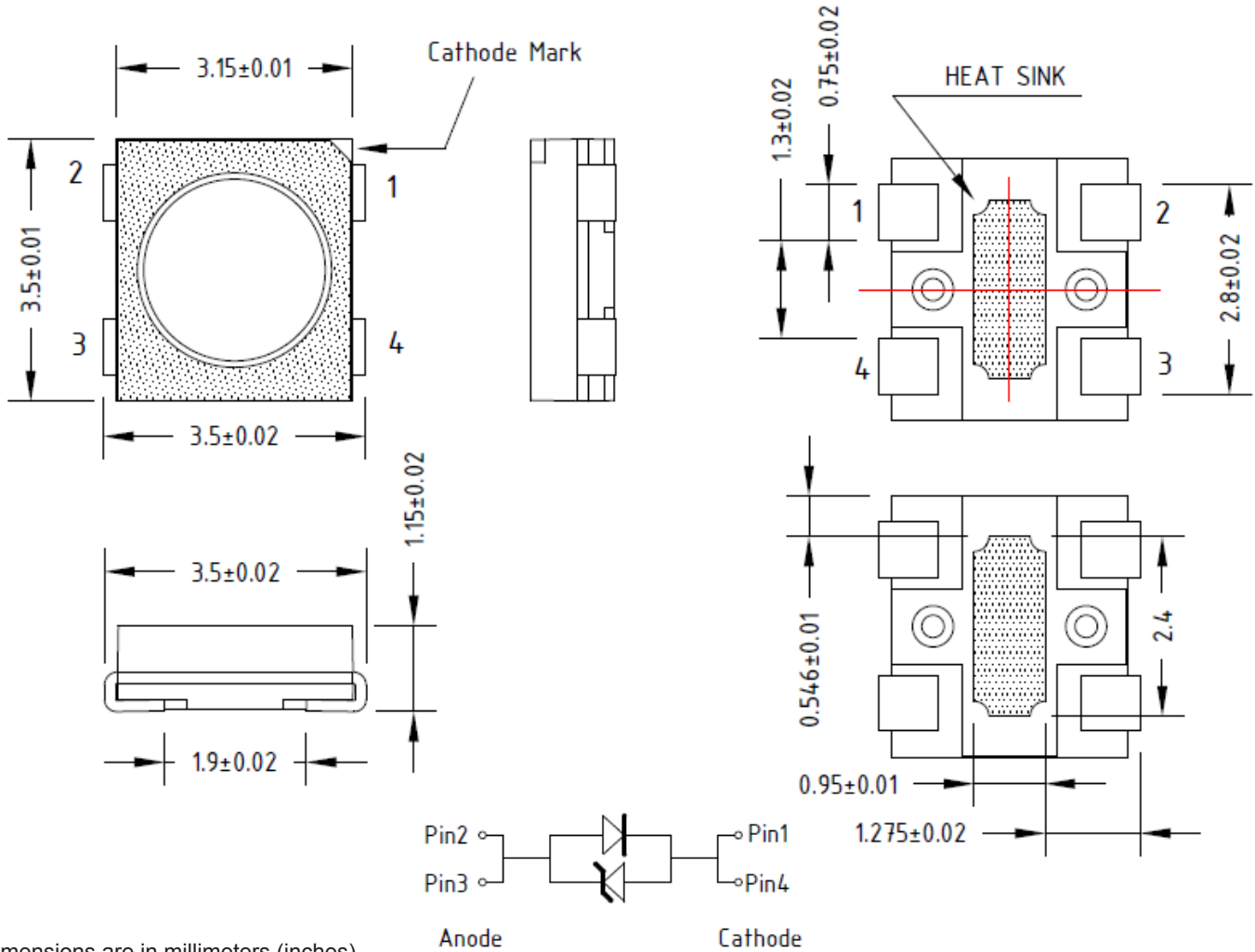


**SPECIFICATION**
**CSH3537NW2ZC-4**
**PACKAGE OUTLINES**


- 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
CSH3537NW2ZC-4	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)	-	4000	V
LED Junction Temperature	-	115	°C
Operating Temperature Range	TOP	-30~+100	°C
Storage Temperature Range	TSTG	-40~+100	°C
Peak Pulsing Current (1/10 duty f = 10KHz)	IFP	200	mA
Soldering Temperature	TSOL	Max 265°C for 10 sec Max	

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

Parameter	Symbol	Test Condition	Value			Unit
			Min	Typ	Max	
Luminous Intensity	Iv	IF = 150mA	35	38	-	lm
Forward Voltage	VF	IF = 150mA	-	3.2	3.8	V
Viewing Angle at 50% Iv	2θ1/2	IF = 150mA	-	120	-	Deg
Chromaticity Coordinates	X	IF = 150mA	-	0.31	-	-
	Y		-	0.32	-	-

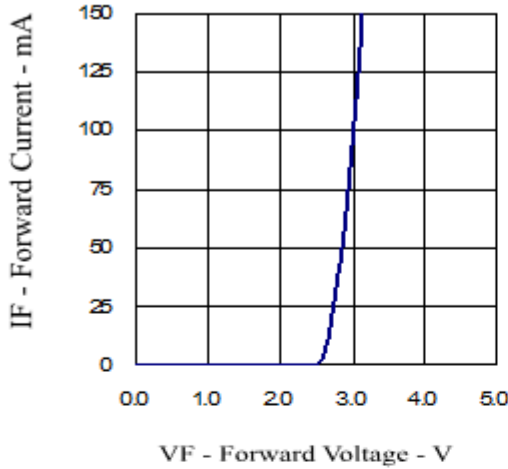
\*Tolerance of viewing angle: -10 / +5 deg.



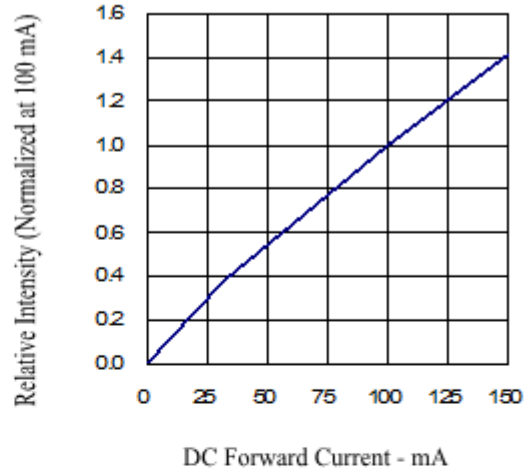
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## OPTICAL CHARACTERISTIC CURVES

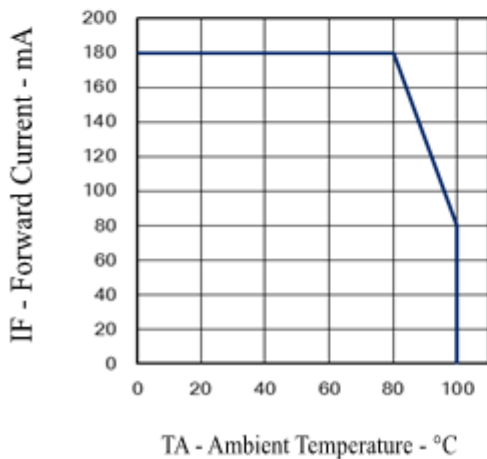
Forward Current vs. Forward Voltage



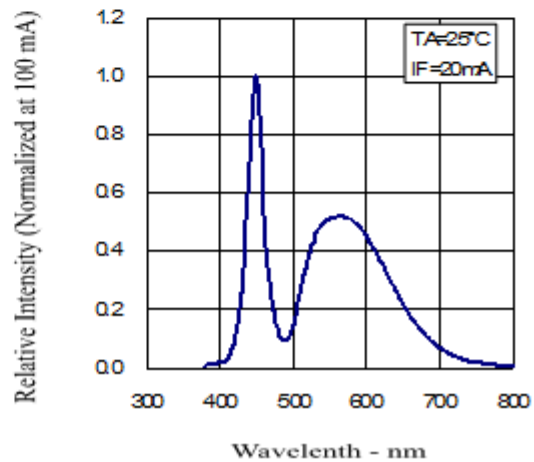
Relative Intensity vs. Forward Current



Forward Current vs. Ambient Temperature



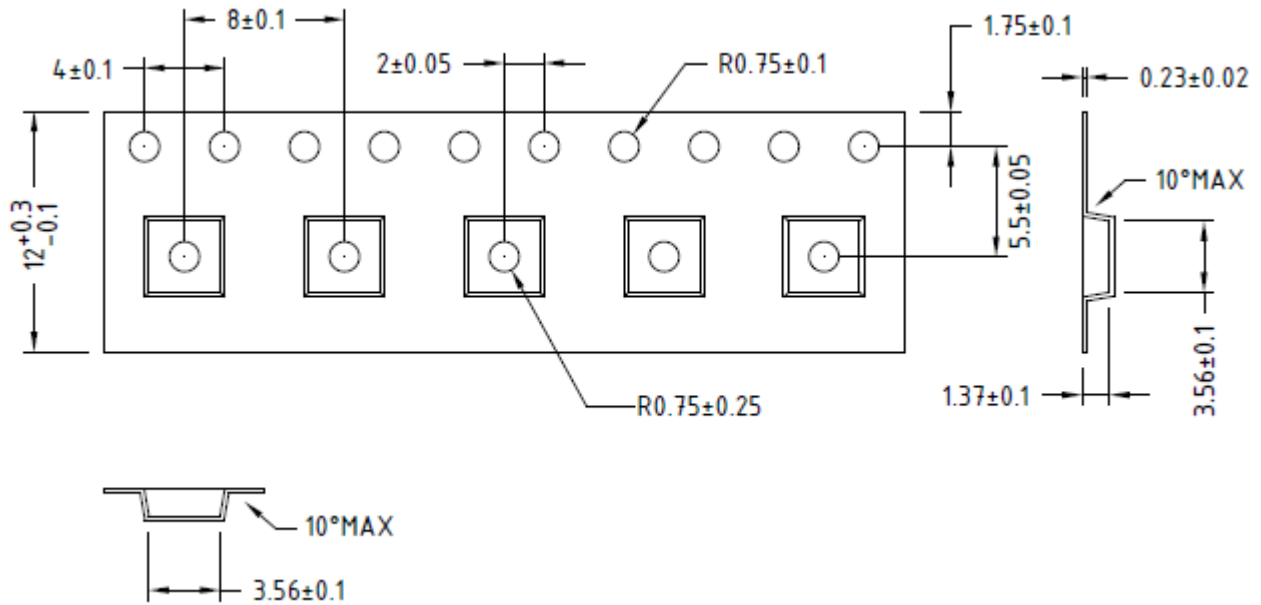
Relative Intensity vs. Wavelength



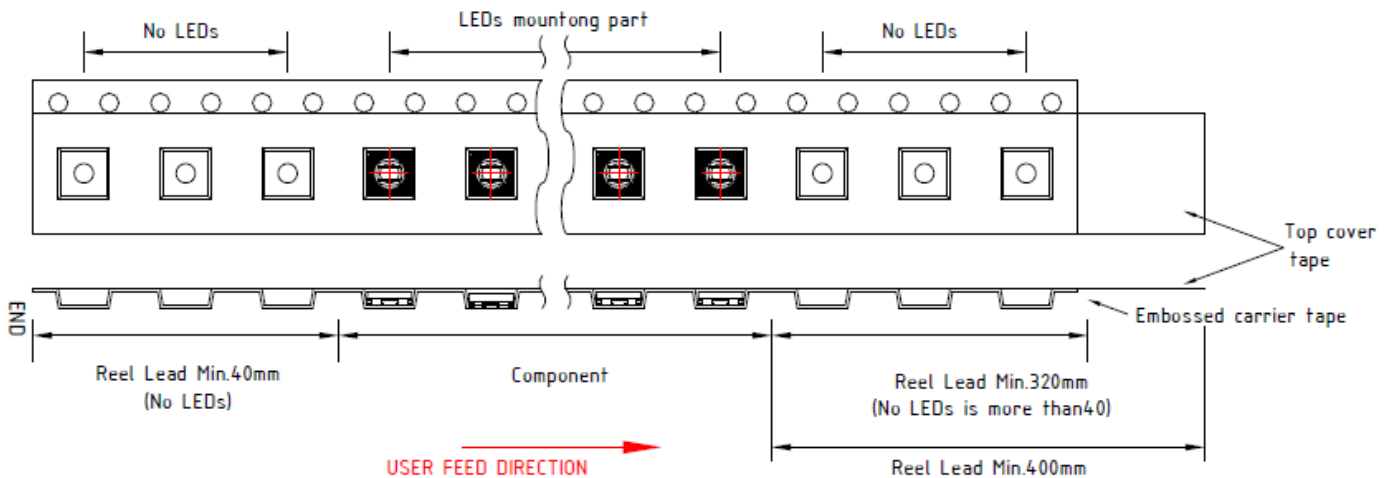
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## PACKAGING SPECIFICATION

### TAPE DIMENSION

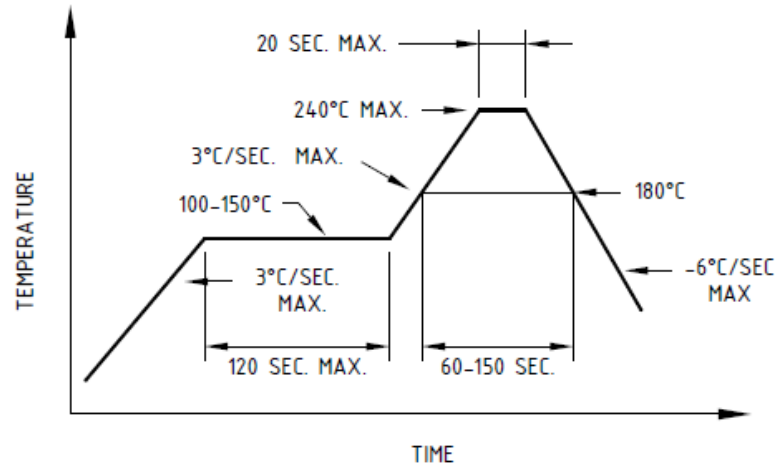


### TAPE LEADER AND TRAILER DIMENSION

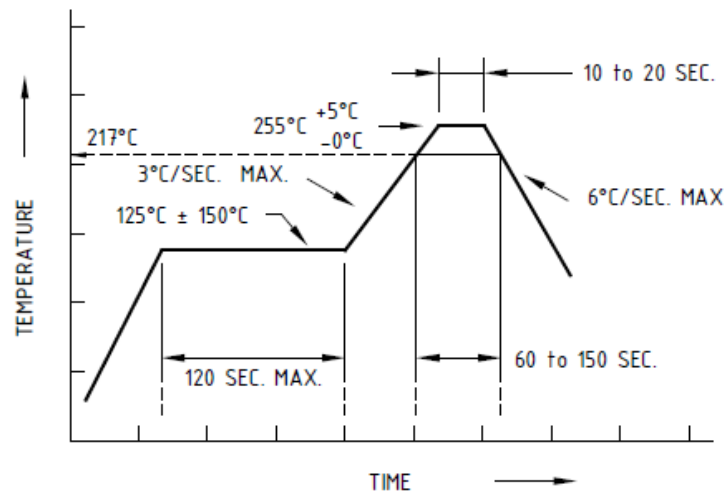


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## SOLDERING CONDITIONS



**Recommended reflow soldering profile**



**Recommended Pb-free reflow soldering profile**

- Repairing should not be done after the LEDs have been soldered. When repairing is unavoidable, a double-head soldering iron should be used. It should be confirmed beforehand whether the Characteristics of the LEDs will or will not be damaged by repairing.
- Reflow soldering should not be done more than two times.
- When soldering, do not put stress on the LEDs during heating.
- After soldering, do not warp the circuit board.



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