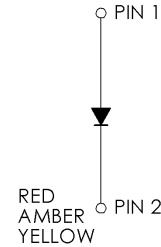
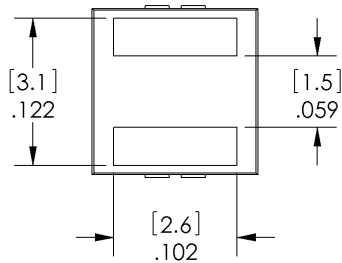
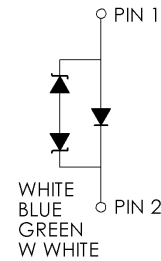
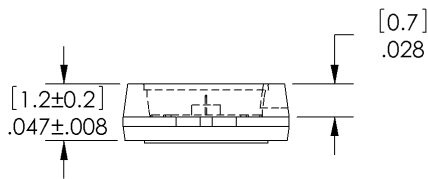
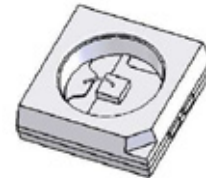
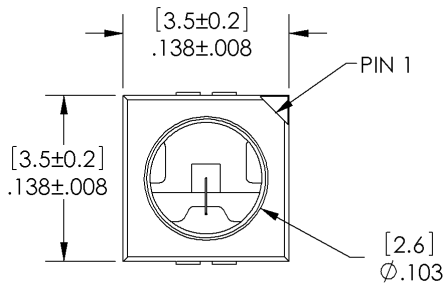


SPECIFICATIONS **CSH3537WW1ZC**
PACKAGE OUTLINES


PIN 1	ANODE
PIN 2	CATHODE

Notes:

- All dimensions are in millimeter (inches).
- Tolerance is $\pm 0.25\text{mm}$ ($0.01''$) unless otherwise noted.
- Specifications are subject to change without notice.

Part Number	Chip Material	Color of Emission	Lens Type	Viewing Angle
CSH3537WW1ZC	InGaN	White	Yellow	120°



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ABSOLUTE MAXIMUM RATINGS
(TA=25°C)

Parameter	Symbol	Max Rating	Unit
Forward Current	I _F	120	mA
ESD Threshold (HBM)	V	2000	V
Reverse Voltage	V	NA	V
Junction Temperature	T _J	125	°C
Operating Temperature Range	T _{OP}	-40~+100	°C
Storage Temperature Range	T _{STG}	-40~+100	°C
Peak Pulsing Current (1/10 duty f = 10KHz)	I _{FP}	250	mA
Soldering Temperature	T _{SOL}	Max 260°C for 5 sec Max	

OPTICAL-ELECTRICAL CHARACTERISTICS
(TA=25°C)

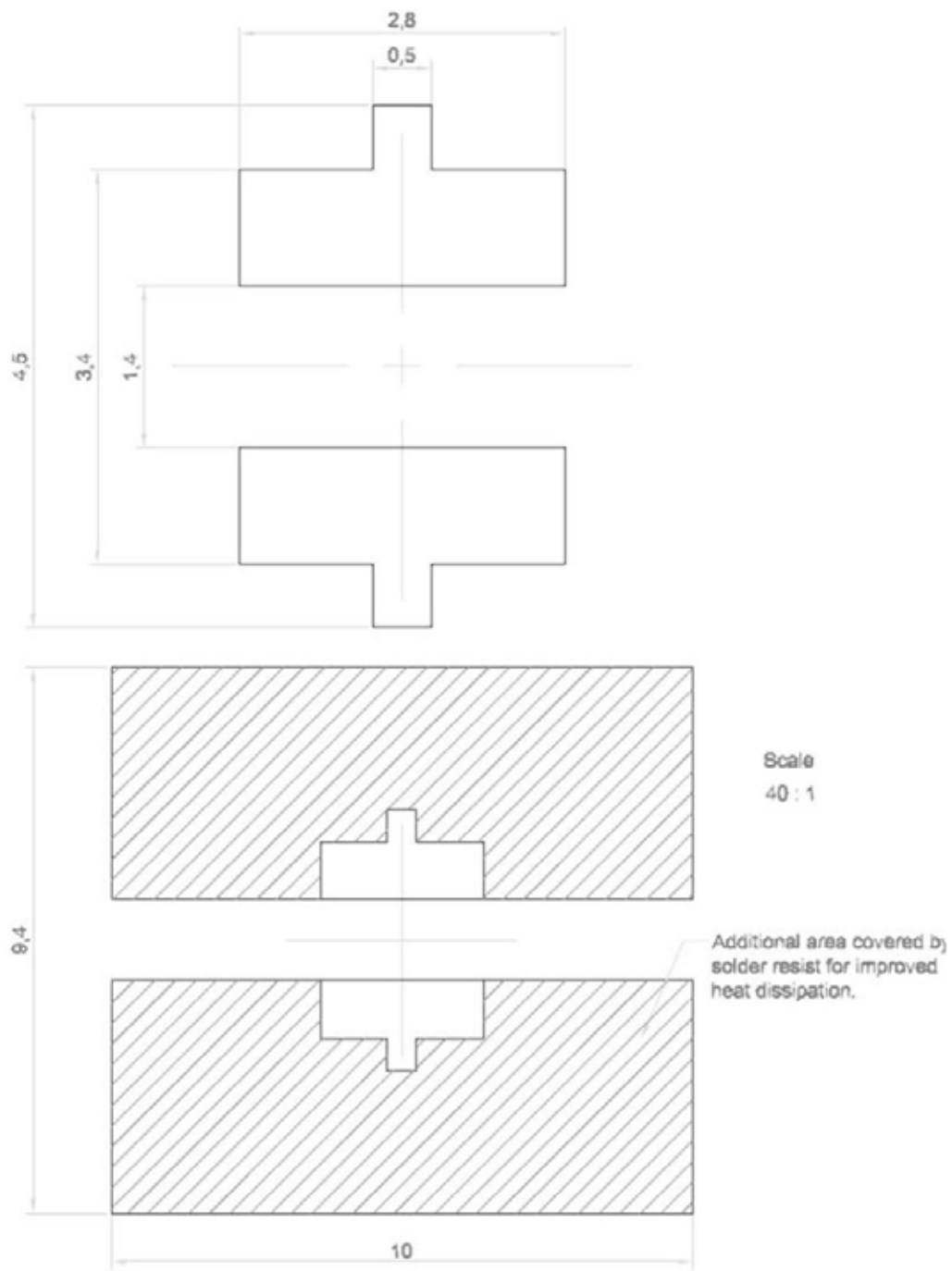
Parameter	Symbol	Test Condition	Value			Unit
			Min	Typ	Max	
Chromaticity Coordinate	X	I _F = 60mA	-	0.46	-	-
Chromaticity Coordinate	Y	I _F = 60mA	-	0.42	-	-
Reverse Leakage Current	I _R	V _R = 5V	-	-	10	μA
Forward Voltage	V _F	I _F = 60mA	-	3.2	3.5	V
Luminous Intensity	I _v	I _F = 60mA	3550	5600	-	mcd

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



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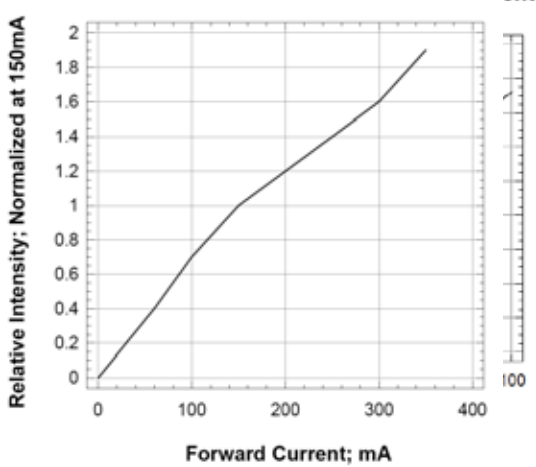
RECOMMENDED SOLDER PAD



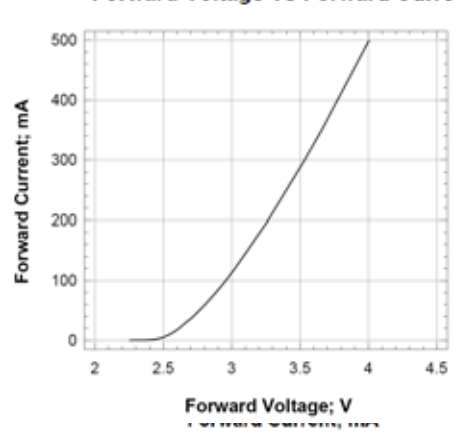
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OPTICAL CHARACTERISTIC CURVES

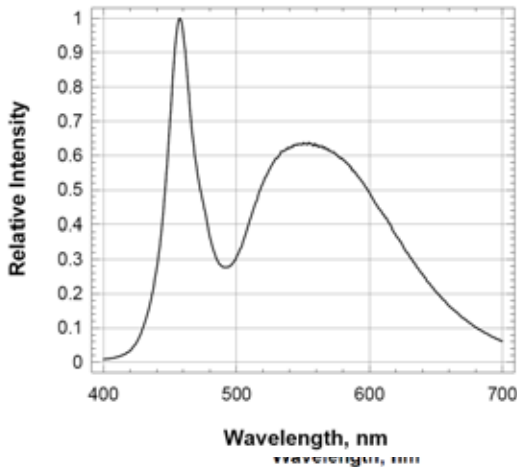
Relative Intensity Vs. Forward Current



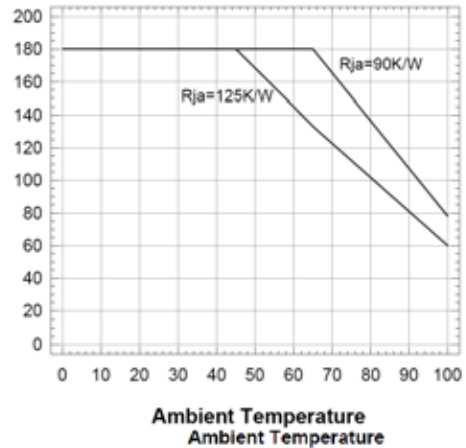
Forward Current Vs. Forward Voltage



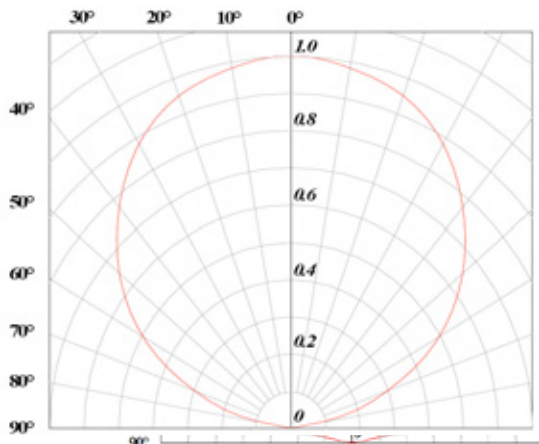
Relative Intensity Vs. Wavelength



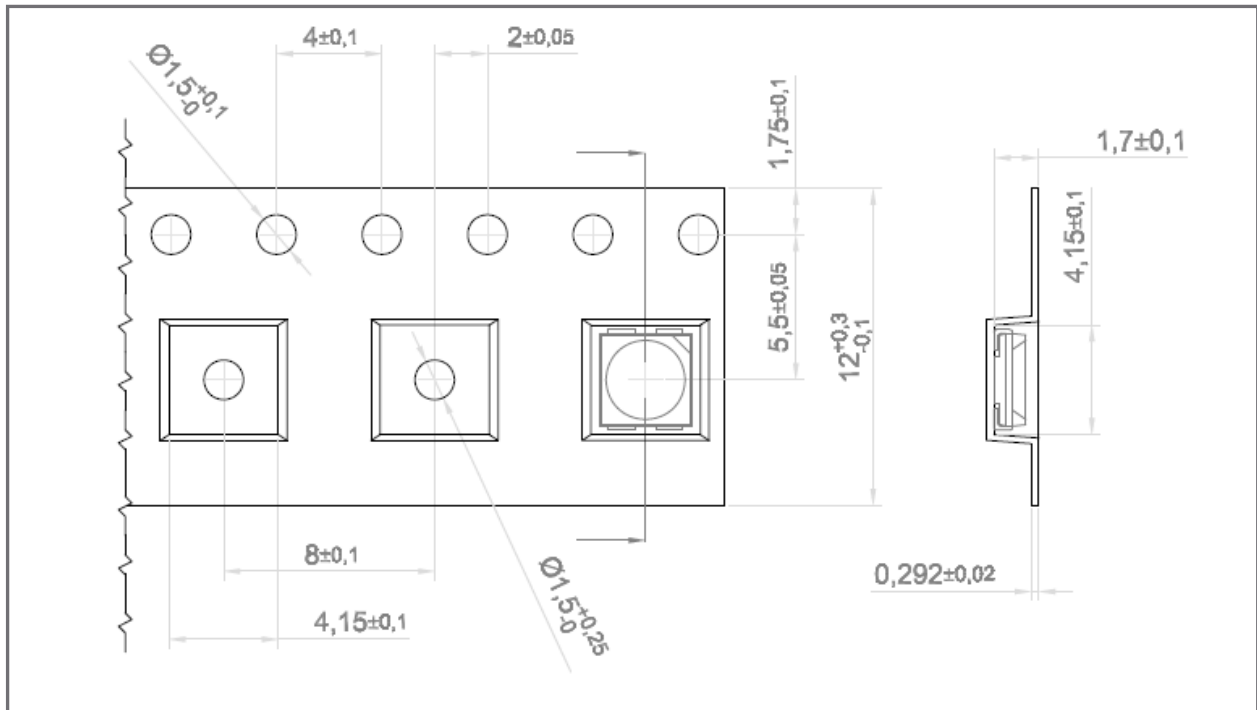
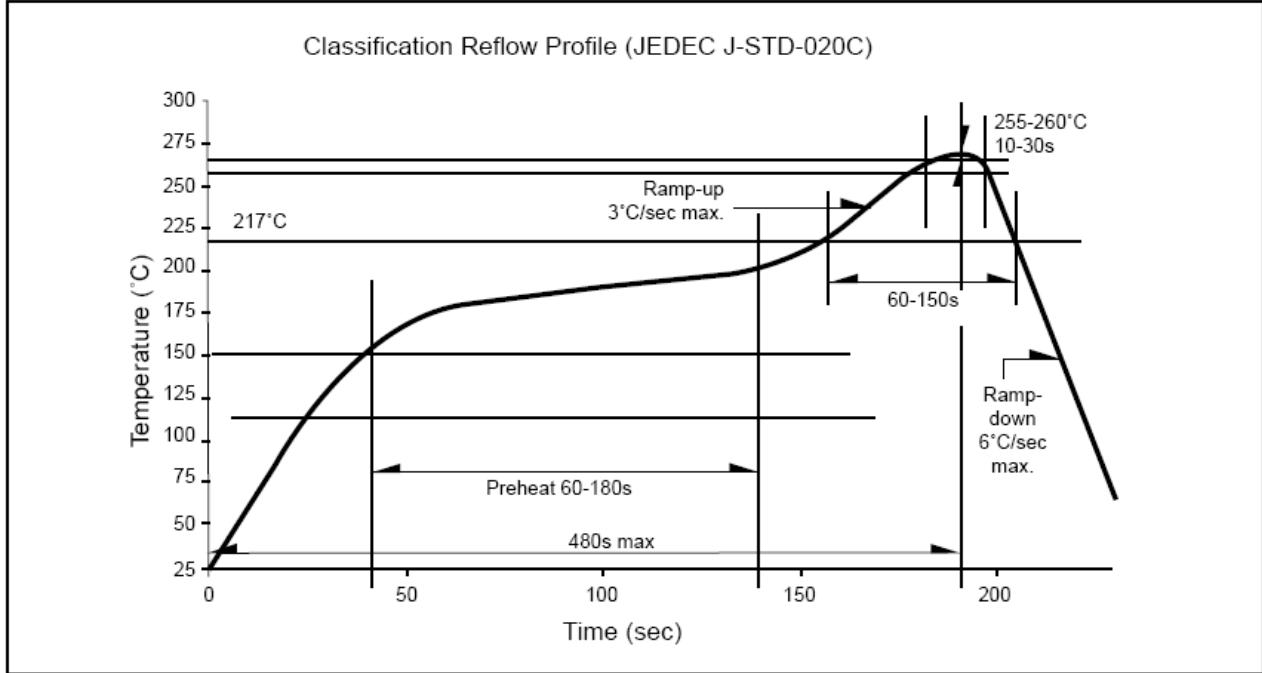
Forward Current Vs. Ambient Temperature



Radiation Pattern



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SOLDERING CONDITIONS & TAPING ORIENTATION
RECOMMENDED Pb-Free Soldering Profile


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