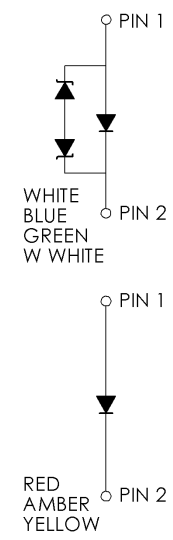
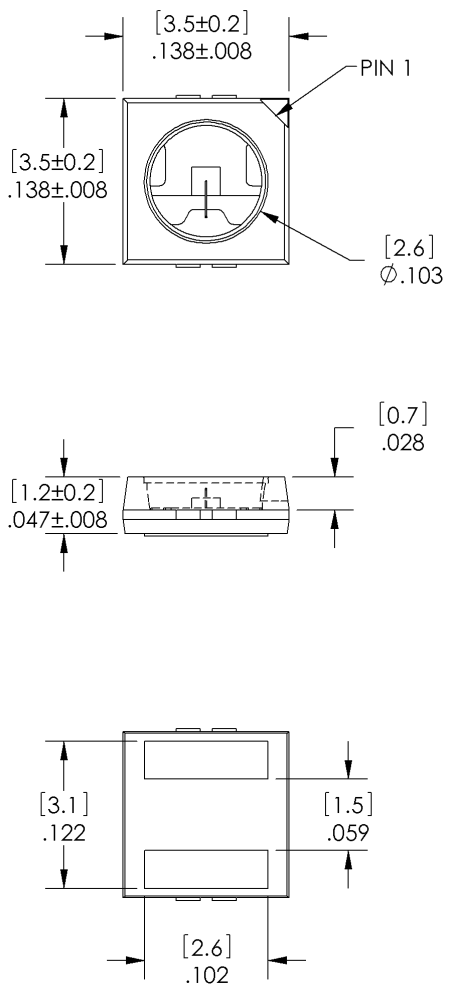


SPECIFICATIONS CSH3537A2C

PACKAGE OUTLINES



PIN 1	ANODE
PIN 2	CATHODE

- Notes:
1. All dimensions are in millimeter (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
CSH3537A2C	InGaAlP	Amber	Water Clear	120°



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ABSOLUTE MAXIMUM RATINGS
(TA=25°C)

Parameter	Symbol	Max Rating	Unit
Forward Current	I _F	200	mA
ESD Threshold (HBM)	V	2000	v
Reverse Voltage	V	12	v
Junction Temperature	T _J	125	°C
Operating Temperature Range	T _{OP}	-40~+110	°C
Storage Temperature Range	T _{STG}	-40~+110	°C
Peak Pulsing Current (1/10 duty f = 10KHz)	I _{FP}	1000	mA
Soldering Temperature	T _{SOL}	Max 260°C for 5 sec Max	

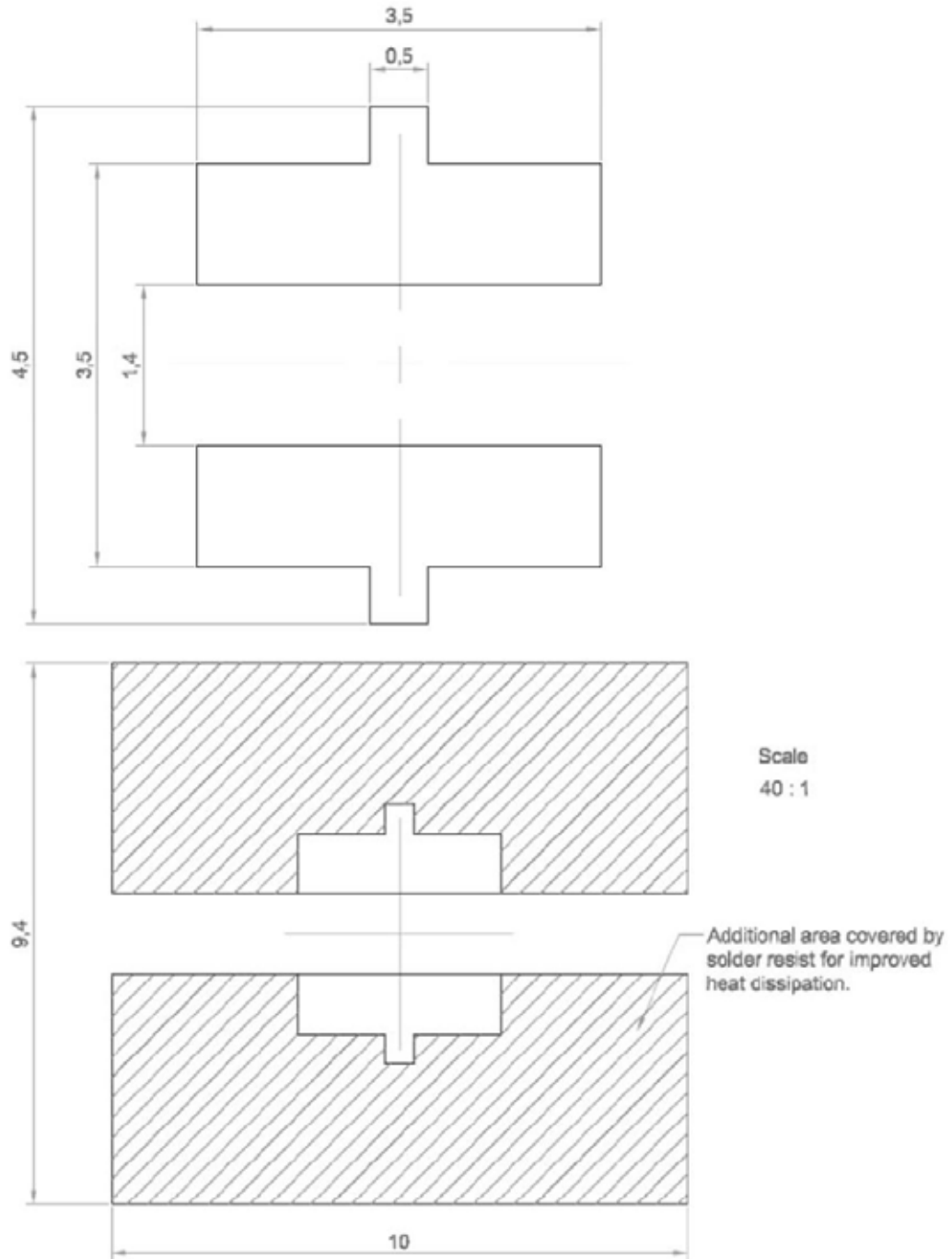
OPTICAL-ELECTRICAL CHARACTERISTICS
(TA=25°C)

Parameter	Symbol	Test Condition	Value			Unit
			Min	Typ	Max	
Peak Wavelength	λ _P	I _F = 140mA	-	621	-	nm
Dominant Wavelength	λ _D	I _F = 140mA	-	615	-	nm
Reverse Leakage Current	I _R	V _R = 5V	-	-	10	μA
Forward Voltage	V _F	I _F = 140mA	-	2.2	2.65	V
Luminous Intensity	I _v	I _F = 140mA	4500	7150	-	mcd
Luminous Intensity	I _v	I _F = 140mA	-	18.6	-	lm

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


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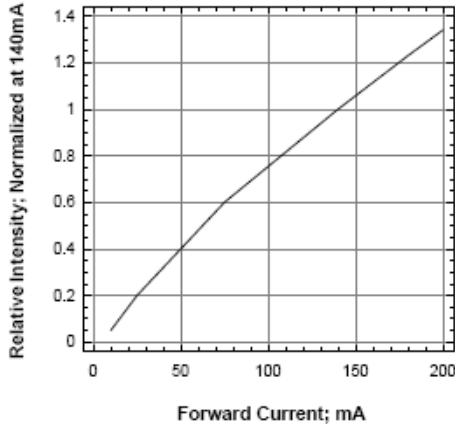
RECOMMENDED SOLDER PAD



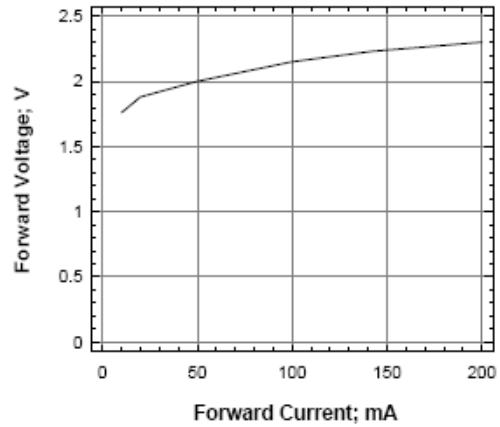
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OPTICAL CHARACTERISTIC CURVES

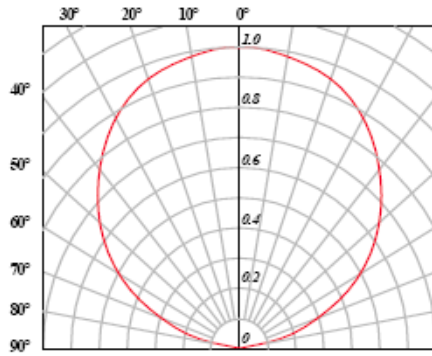
Relative Intensity Vs Forward Current



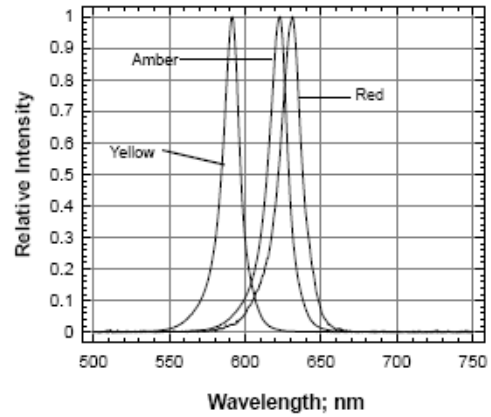
Forward Voltage Vs Forward Current



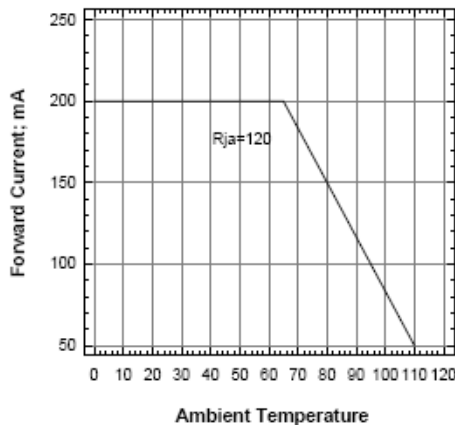
Radiation Pattern



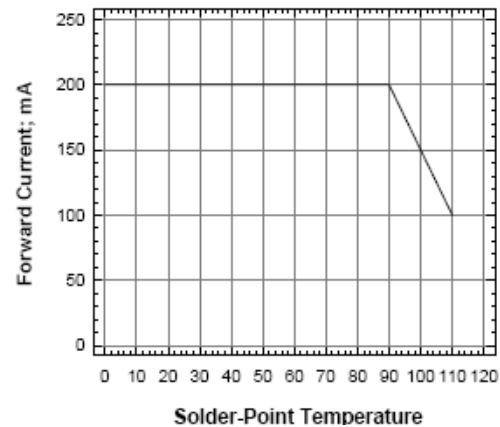
Relative Intensity Vs Wavelength



Maximum Current Vs Ambient Temperature



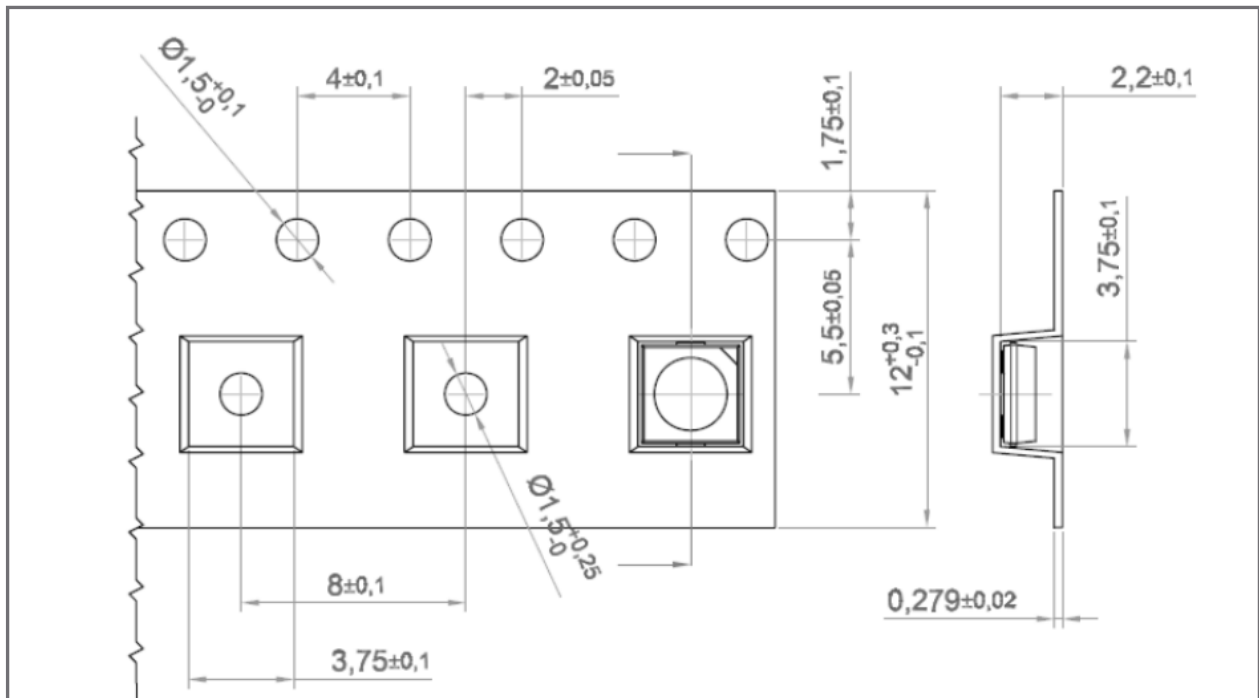
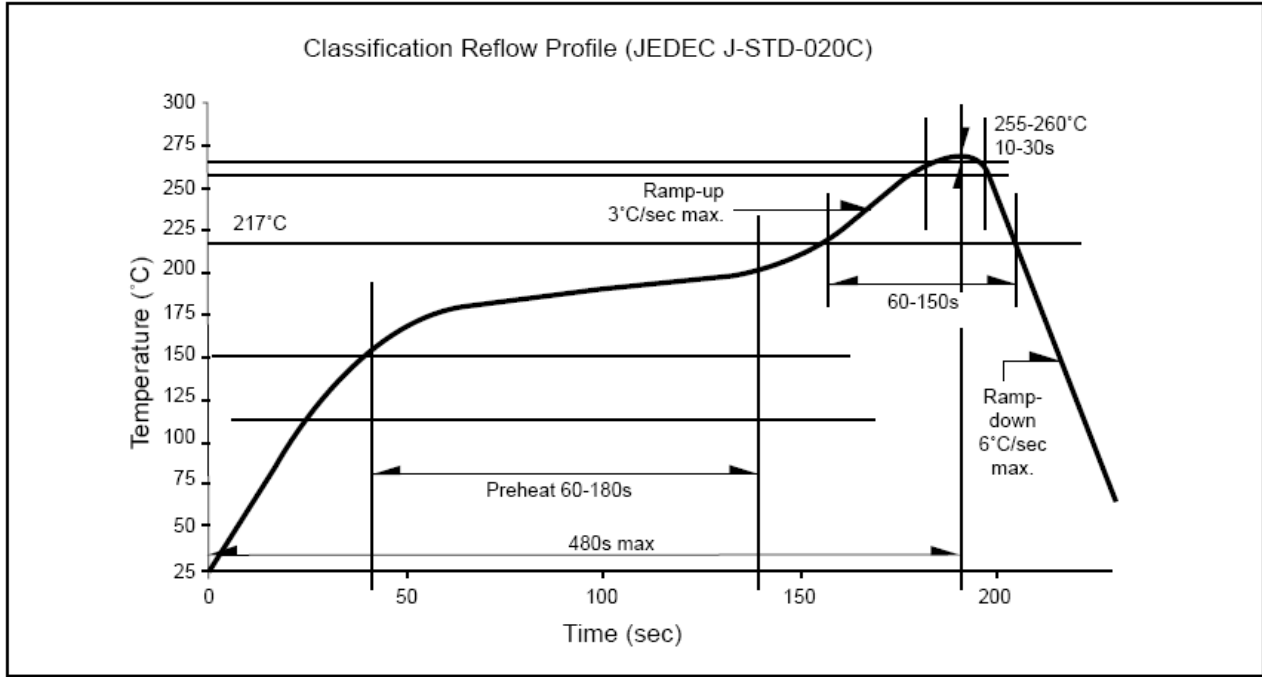
Maximum Current vs Solder-Point Temperature



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SOLDERING CONDITIONS & TAPING ORIENTATION

RECOMMENDED Pb-Free Soldering Profile



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