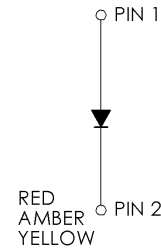
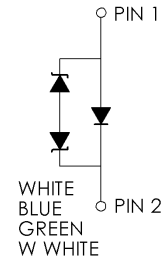
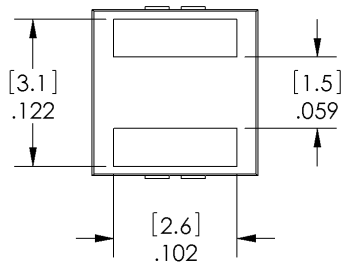
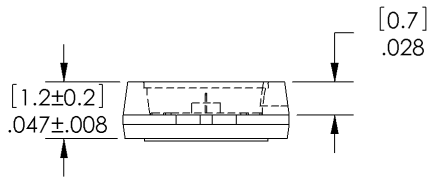
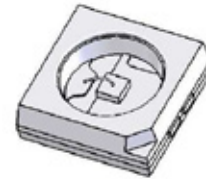
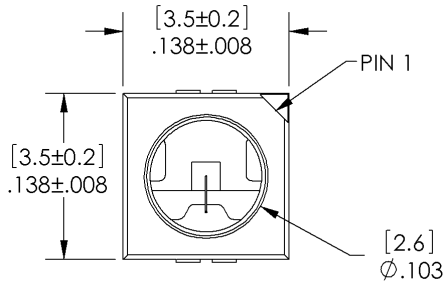


SPECIFICATIONS CSH3537R2C

PACKAGE OUTLINES



PIN 1	ANODE
PIN 2	CATHODE

Notes:

1. All dimensions are in millimeter (inches).
2. Tolerance is ± 0.25mm (0.01") unless otherwise noted.
3. Specifications are subject to change without notice.

Part Number	Chip Material	Color of Emission	Lens Type	Viewing Angle
CSH3537R2C	InGaAlP	Red	Water Clear	120°



ChromeLED Corp. reserves the right to make changes at any time in order to supply the best product possible. The most current version of this document will always be available at: www.chromeled.com

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)

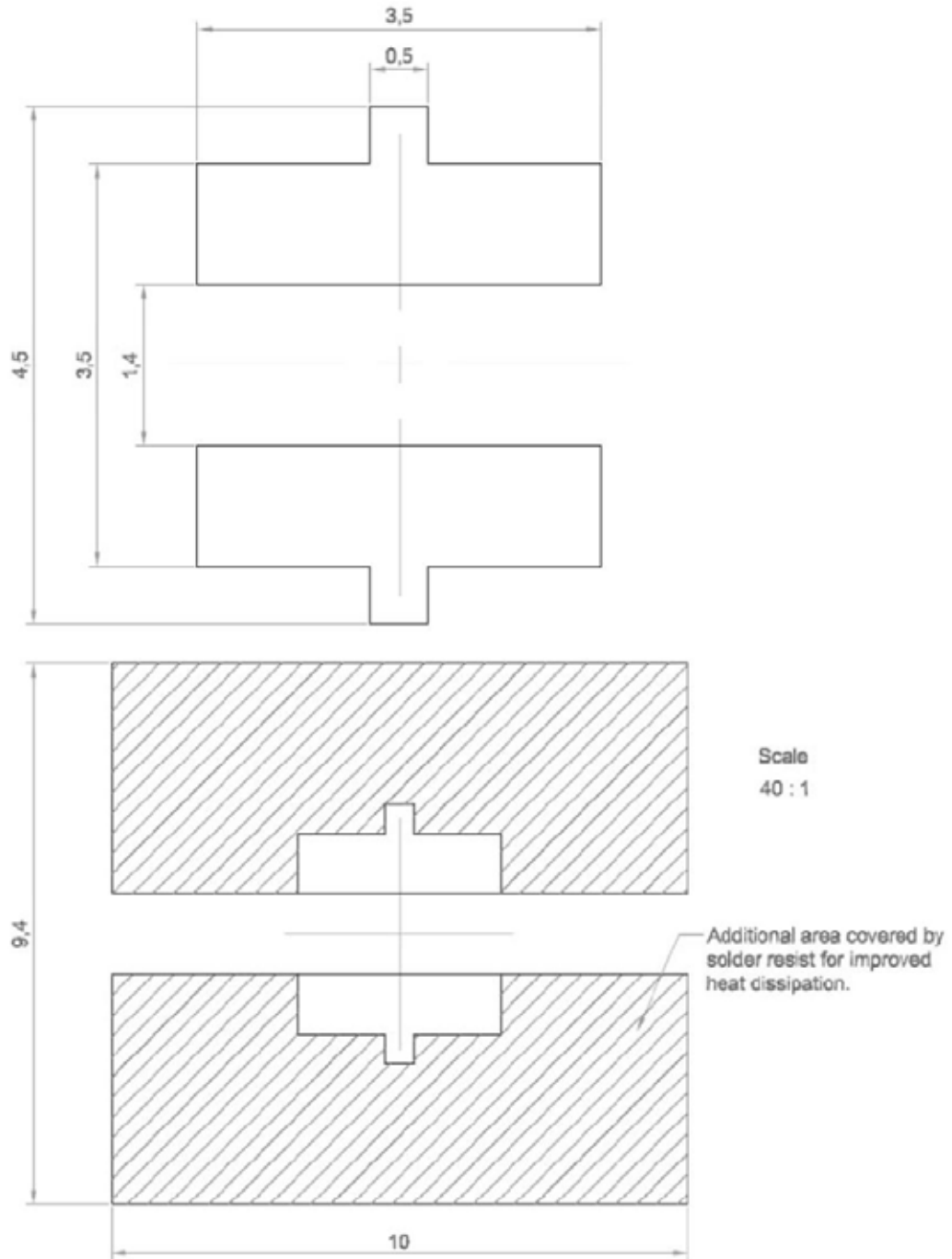
Parameter	Symbol	Test Condition	Value			Unit
			Min	Typ	Max	
Peak Wavelength	λ _P	I _F = 140mA	-	630	-	nm
Dominant Wavelength	λ _D	I _F = 140mA	-	620	-	nm
Reverse Leakage Current	I _R	V _R = 5V	-	-	10	μA
Forward Voltage	V _F	I _F = 140mA	-	2.2	2.65	V
Luminous Intensity	I _v	I _F = 140mA	4500	7150	-	mcd
Luminous Intensity	I _v	I _F = 140mA	-	18.6	-	lm

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



ChromeLED Corp. reserves the right to make changes at any time in order to supply the best product possible. The most current version of this document will always be available at: www.chromeled.com

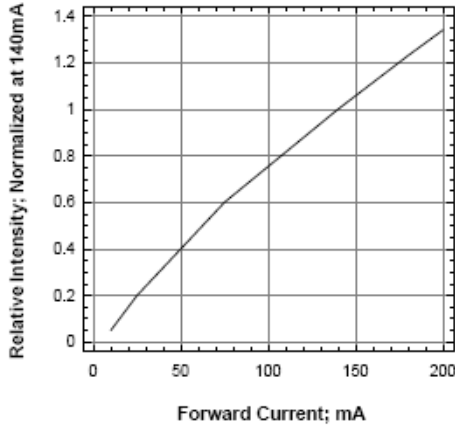
RECOMMENDED SOLDER PAD



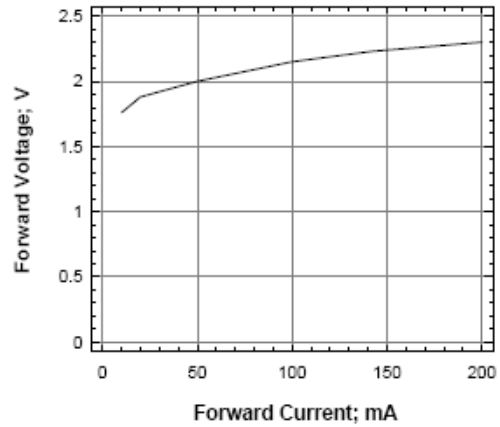
ChromeLED Corp. reserves the right to make changes at any time in order to supply the best product possible. The most current version of this document will always be available at: www.chromeled.com

OPTICAL CHARACTERISTIC CURVES

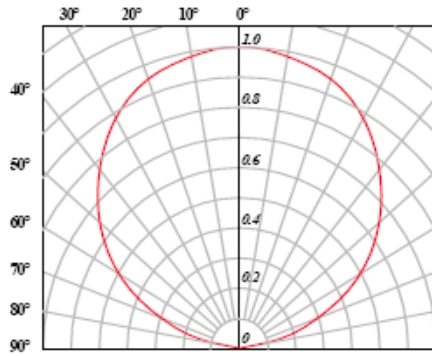
Relative Intensity Vs Forward Current



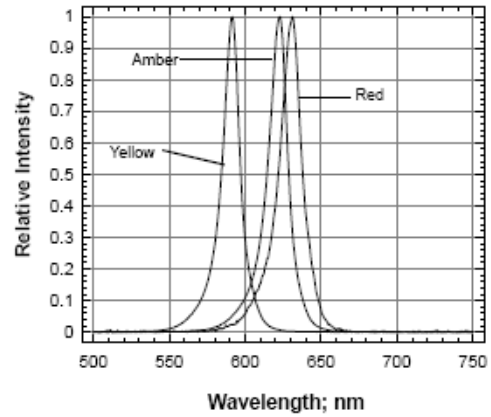
Forward Voltage Vs Forward Current



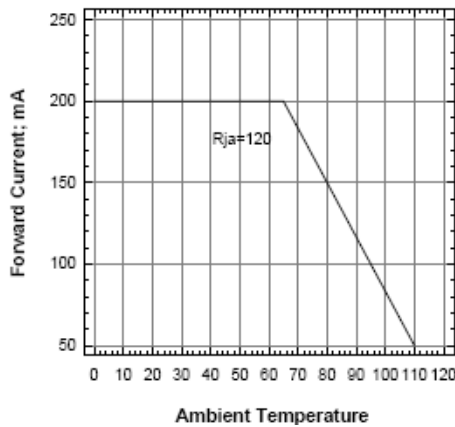
Radiation Pattern



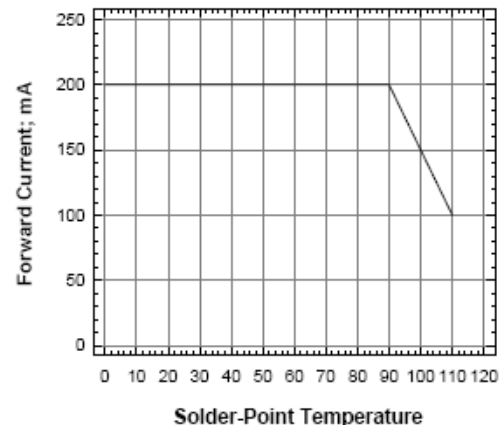
Relative Intensity Vs Wavelength



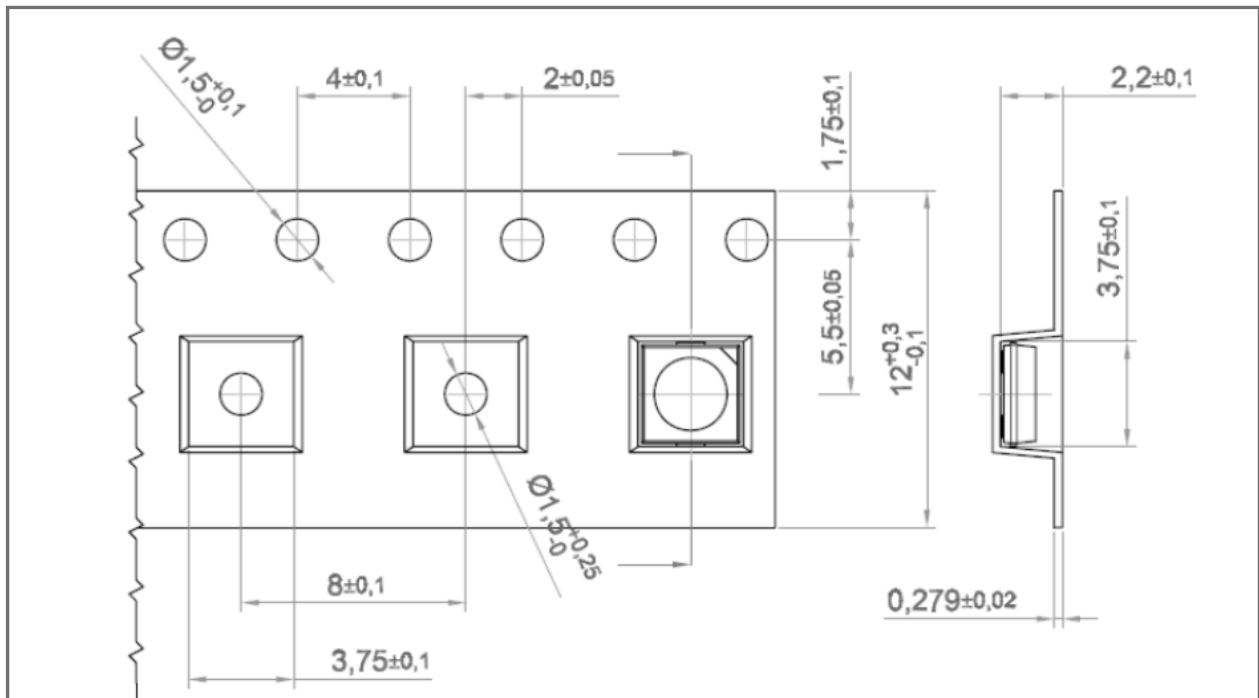
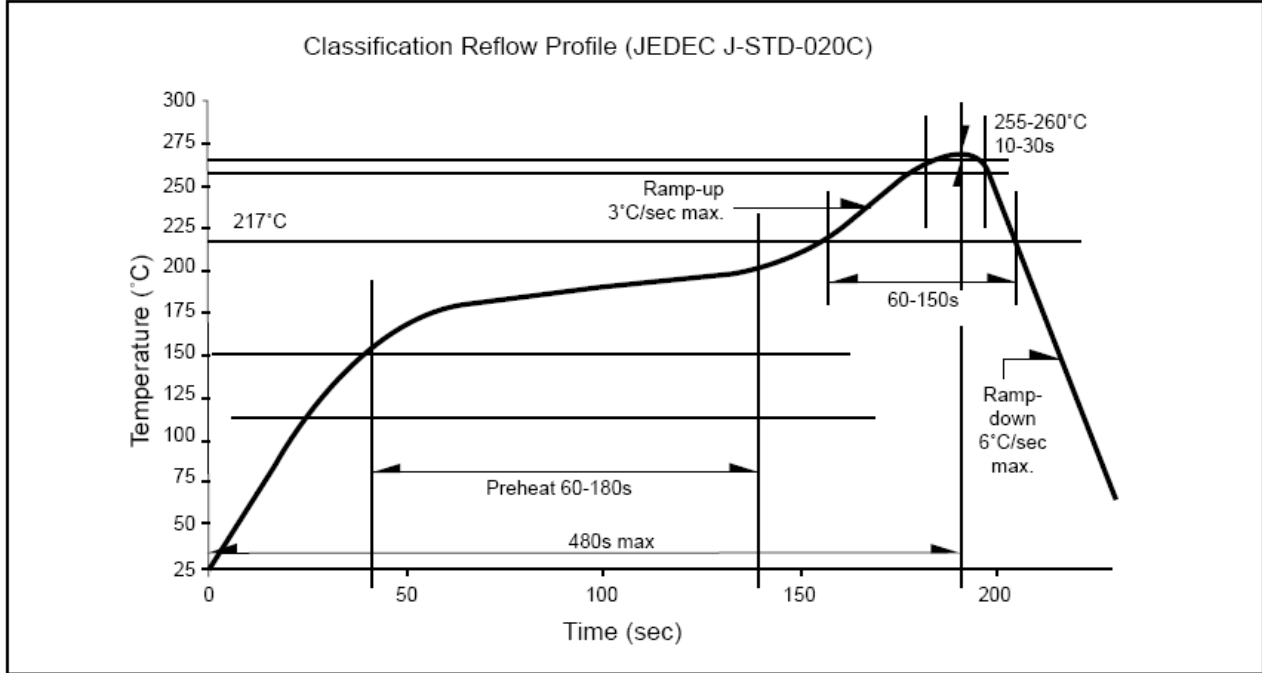
Maximum Current Vs Ambient Temperature



Maximum Current vs Solder-Point Temperature



ChromeLED Corp. reserves the right to make changes at any time in order to supply the best product possible. The most current version of this document will always be available at: www.chromeled.com

SOLDERING CONDITIONS & TAPING ORIENTATION
RECOMMENDED Pb-Free Soldering Profile


ChromeLED Corp. reserves the right to make changes at any time in order to supply the best product possible. The most current version of this document will always be available at: www.chromeled.com