

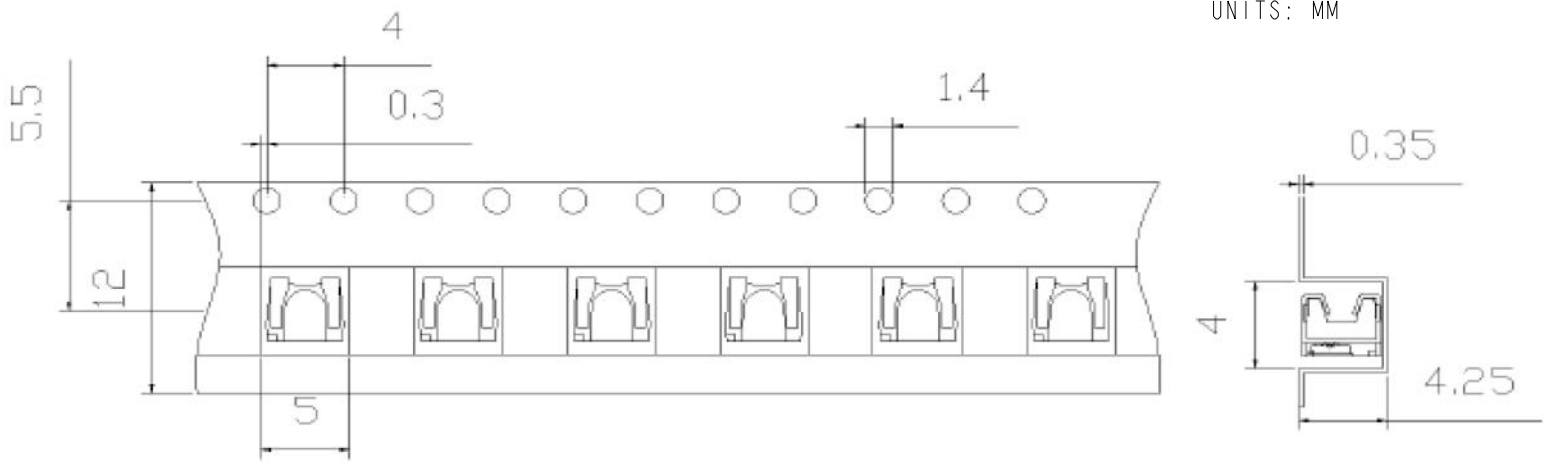
DIALIGHT PART NO.	LED COLOR (nm)	LENS COLOR
597-2002-807F	RED (630)	WATER CLEAR
597-2302-807F	YELLOW GREEN(573)	
597-2201-807F	YELLOW(590)	
597-2202-807F	YELLOW HB	
597-2321-807F	GREEN(525)	
597-2322-807F	GREEN HB	
597-2601-807F	BLUE(470)	
597-2901-807F	WHITE *X=0.30,Y=0.31	
597-2902-807F	WHITE HB	

- NOTES:
- PIN NUMBERS ARE FOR REFERENCE ONLY, DESIGNATION NON-EXISTENT ON PART.
 - LABELING FOR REEL AND OUTSIDE OF ALUMINUM BAG, DIALIGHT P/N, QUANTITY PER REEL, DATE CODE, INTENSITY BIN CODE, LOT NUMBER AND COUNTRY OF ORIGIN.
 - THIS PRODUCT IS RoHS COMPLIANT. EACH BAG IS TO BE MARKED WITH RoHS COMPLIANT LABEL OR EQUIVALENT MARKINGS. LED MUST BE Pb FREE.
 - MOISTURE SENSITIVITY LEVEL 2A.
 - QUANTITY : PART NUMBERS END WITH 807F REFER AS 500 PCS/ REEL

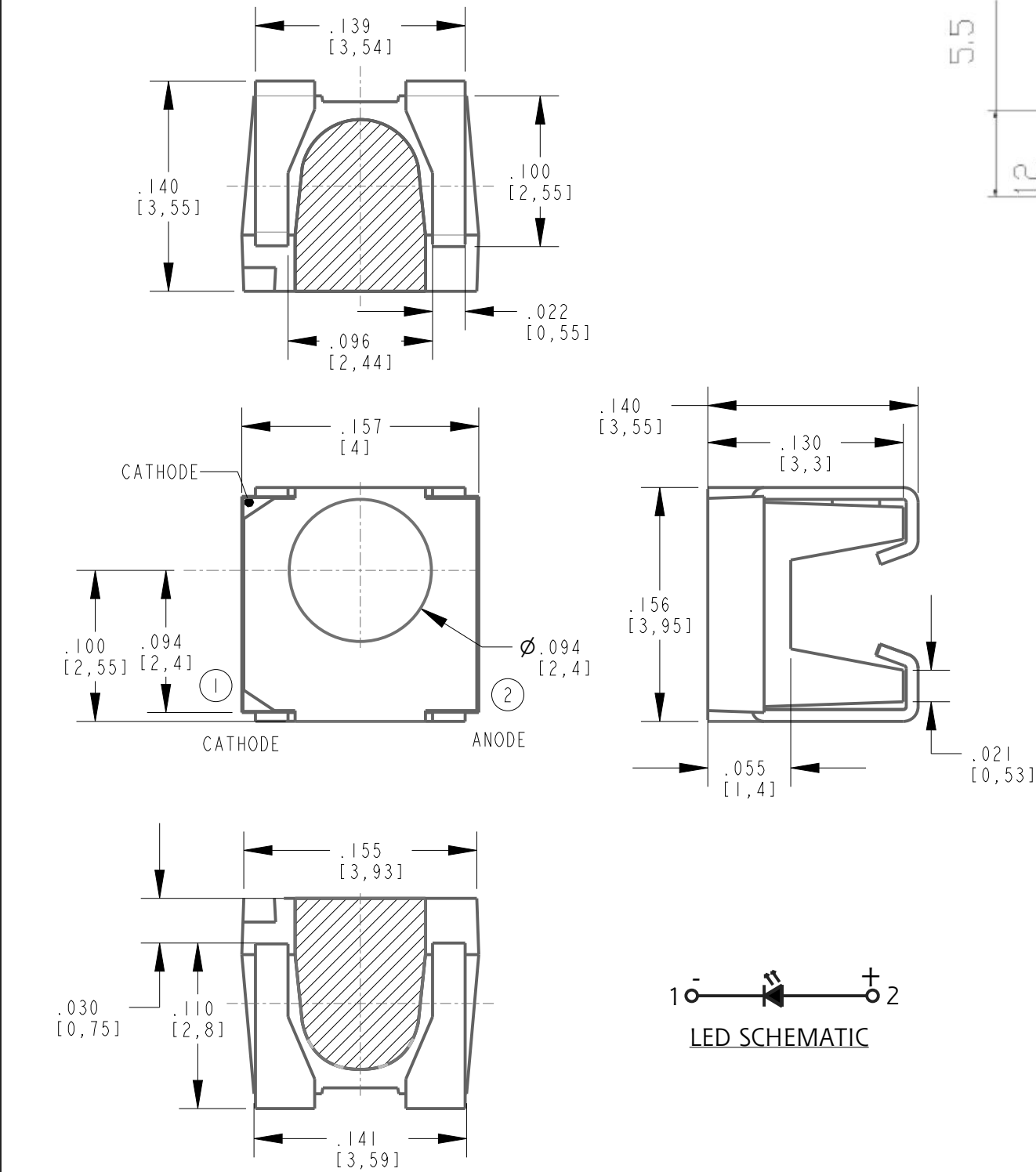
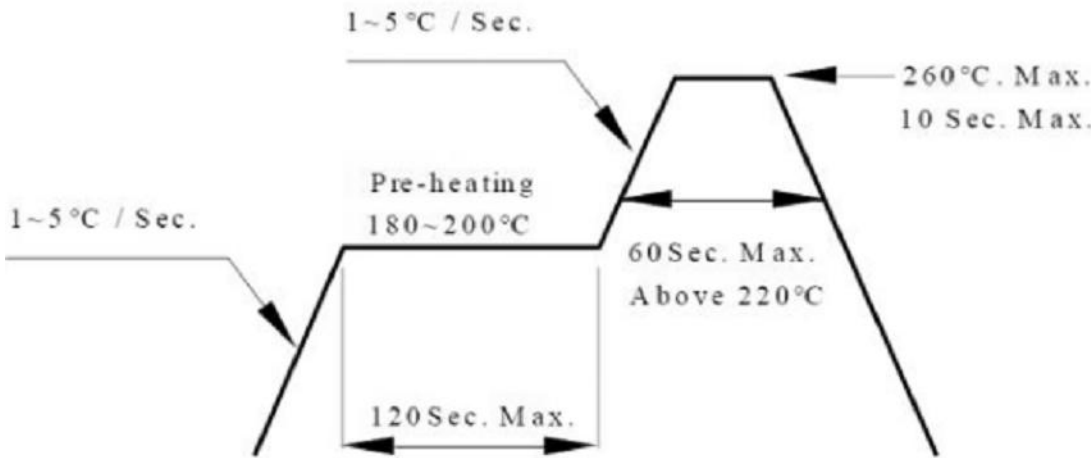
REV	ECN NO	REVISIONS	DRN	CKD	APP	DATE
A	106697	NEW RELEASE	JSG	NO	CS	05JUN23
B	108656	MSL LEVEL CHANGE 2A WAS 3. P/N 597-2302-807F AND 802F INTENSITY CHANGE, MAX 150 WAS 90 mcd.	JSG	NO	CS	14AUG23
C	128570	REMOVED ALL PART NUMBERS W/ 802F SUFFIX, REVISED NOTE 5, ADDED 597-2322-807F, 597-2902-807F, 597-2202-807F	LD		CS	3-19-25

TAPING SPECIFICATIONS

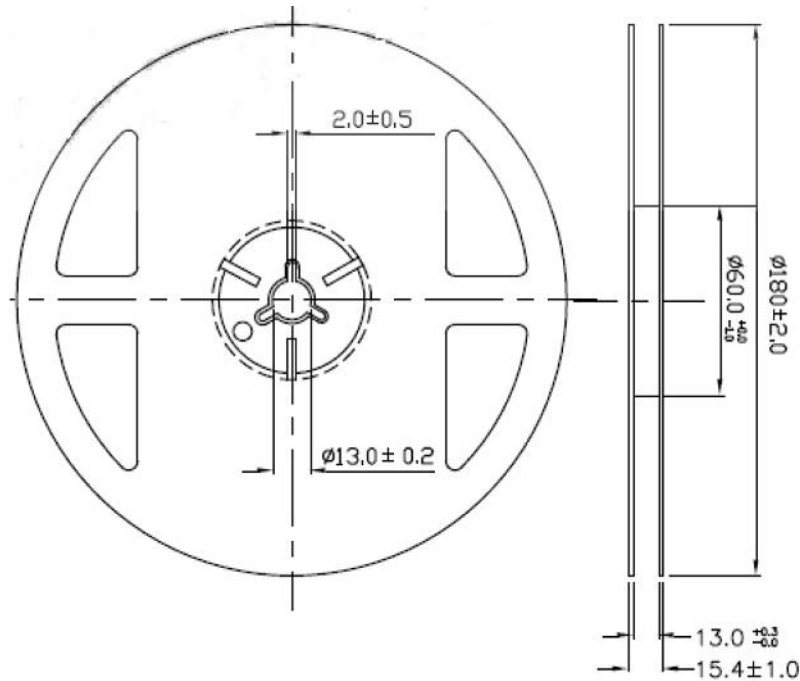
UNITS: MM



RECOMMENDED RoHS SOLDER PROFILE



REEL SPECIFICATIONS



UNITS: mm
TOLERANCE (UNLESS OTHERWISE SPECIFIED): ±0.004(±0.1mm)

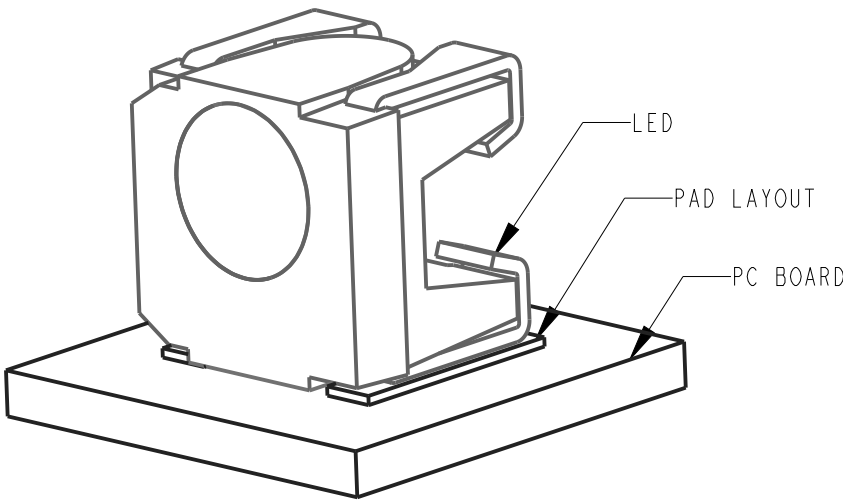
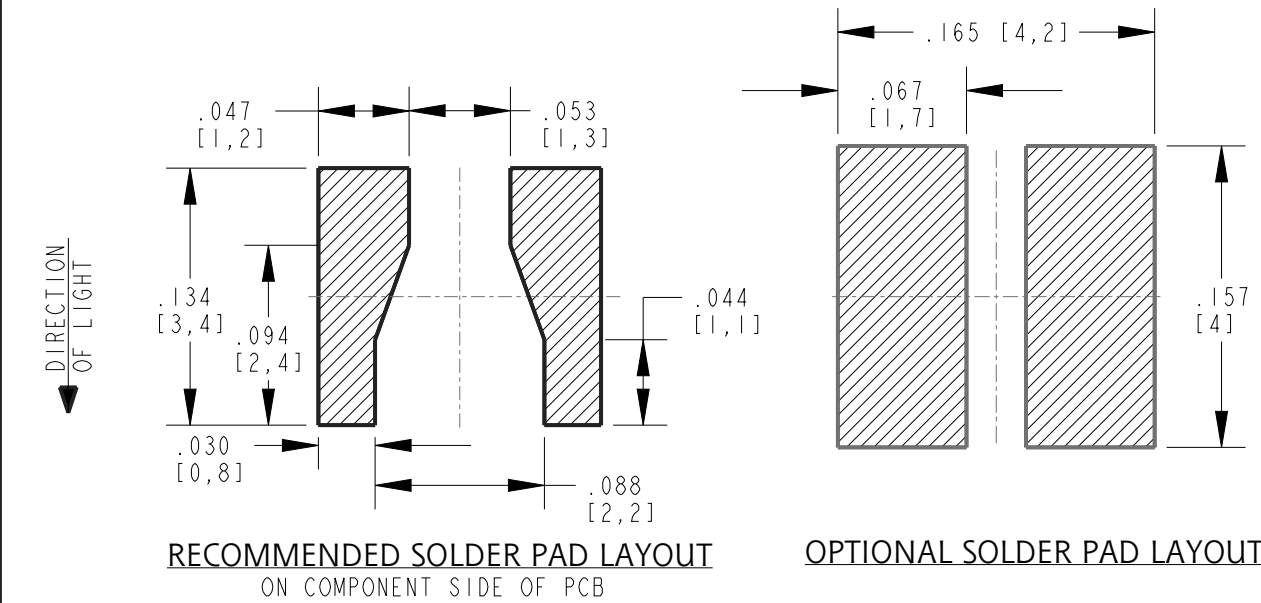
ABSOLUTE MAXIMUM RATINGS AT 25°C							
LED COLOR	POWER DISSIPATON (mW)	FORWARD CURRENT (mA)	PEAK FORWARD CURRENT (mA) (DUTY 1/10@1KHz)	REVERSE VOLTAGE (V)	OPERATING TEMPERATURE (°C)	STORAGE TEMPERATURE (°C)	DERATING CURVE (mA/°C)
RED	60	25	60	5	-40°C TO +100°C	-40°C TO +100°C	0.375
YELLOW GREEN	60	25	60	5	-40°C TO +100°C	-40°C TO +100°C	0.333
YELLOW	60	25	60	5	-40°C TO +100°C	-40°C TO +100°C	0.292
YELLOW HB	60	25	60	5	-40°C TO +100°C	-40°C TO +100°C	—
GREEN	95	25	100	5	-40°C TO +100°C	-40°C TO +100°C	0.208
GREEN HB	60	20	40	5	-40°C TO +100°C	-40°C TO +100°C	1.00
BLUE	100	30	100	5	-40°C TO +100°C	-40°C TO +100°C	0.417
WHITE	100	30	100	5	-40°C TO +100°C	-40°C TO +100°C	0.417
WHITE HB	100	30	110	5	-40°C TO +100°	-40°C TO +100°	—

ELECTRO-OPTICAL CHARACTERISTICS AT 25°C										
LED COLOR	TEST CONDITION	LUMINOUS INTENSITY (mcd)		DOMINANT WAVELENGTH (nm)			REVERSE CURRENT	FORWARD VOLTAGE IF=20mA		VIEWING ANGLE (DEG)
	IF (mA)	MIN	MAX	MIN	TYP	MAX	MAX	MIN	MAX	
RED	20mA	81	292	617	630	634	10μA @ VR=5V	1.75	2.35	120
YELLOW GREEN		32	150	568	573	576		1.7	2.4	120
YELLOW		90	225	585	590	595		1.75	2.35	120
YELLOW HB		280	900	586		596		1.75	2.35	120
GREEN		285	715	517		536		2.75	3.95	120
GREEN HB		1500	3000	520		530		2.8	3.4	120
BLUE		180	450	464		477		2.75	3.95	120
*WHITE		900	1420	*X=0.308,Y=0.318				2.75	3.95	120
WHITE HB		2000	4000					2.7	3.4	120

*CALCULATED CHROMATICITY COORDINATES



ATTENTION:
OBSERVE PRECAUTIONS FOR
HANDLING ELECTROSTATIC
SENSITIVE DEVICES



THIS DRAWING AND THE CONTENTS HEREIN ARE CONFIDENTIAL AND THE SOLE PROPERTY OF DIALIGHT CORP. REPRODUCTION OF THIS DRAWING OR CONSTRUCTION OF ANY PARTS WITHIN THIS DRAWING ARE FORBIDDEN WITHOUT THE WRITTEN CONSENT OF DIALIGHT CORP.		
DIALIGHT CORP INTERNAL REFERENCE ONLY : 3D MODEL : 45085972X0118-A-3		
SCALE: 10.000	DRAWING NUMBER	REV
ALL DIM'S IN: INCHES (MM)	C-18675	C
TOLERANCES: UNLESS OTHERWISE SPECIFIED	TITLE	MATERIAL
FRACTIONS: ±1/64	SM 1616 RTANG LED WITH LENS	
DECIMALS (.XX): ±.01		
DECIMALS (.XXX): ±.005		
DECIMALS (.XXXX): ±.0005		
ANGLES: ±1°		
FINISH		
FSCM 83330		
SHEET 1 OF 1	FAMILY TABLE:	