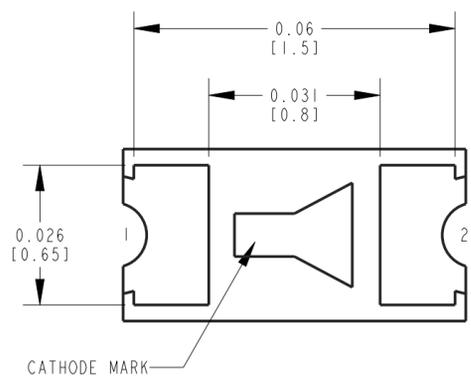
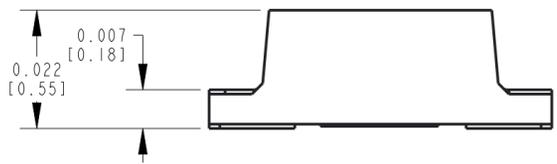
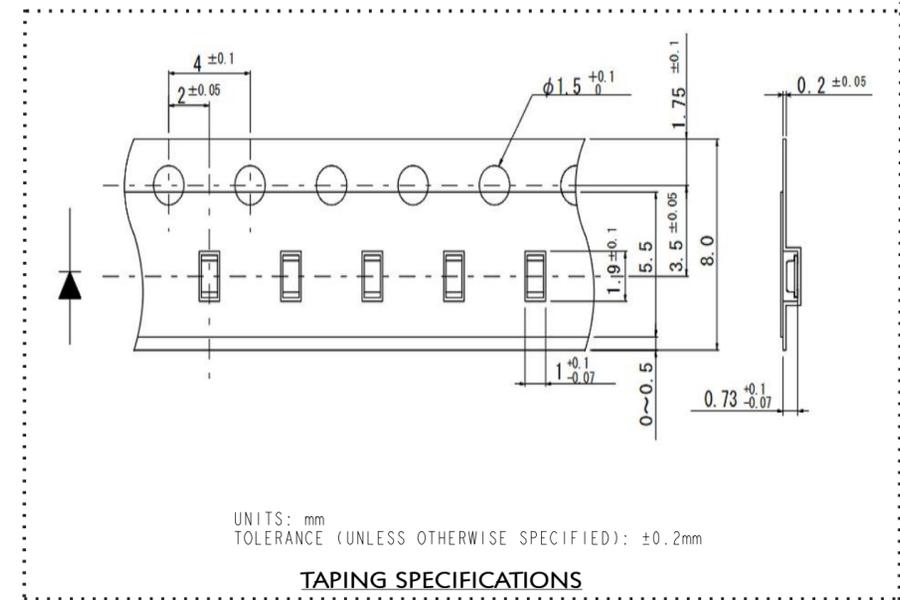
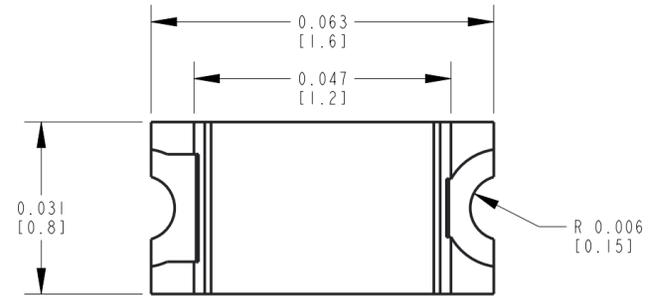


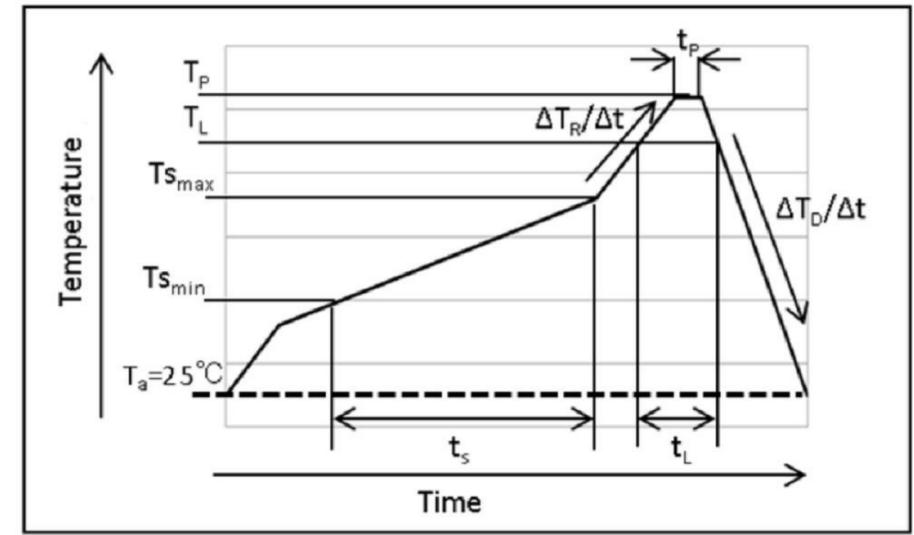
PART NUMBER	LED COLOR
597-3604-507F	BLUE (470nm)
597-3324-507F	GREEN(527nm)
597-3904-507F	WHITE

REV	ECN NO	REVISIONS	DRN	CKD	APP	DATE
A	—	NEW RELEASE	BP	—	NO	4-2-18
B	124922	PAD LAYOUT DIM [2.45] WAS [2.44]	LD		CS	11-26-24
C	138652	REMOVED -502F PART NUMBERS, REVISED GREEN MAX LUM INT. & ADDED BLUE MIN & MAX DOM WAVELENGTH	LD		CS	2-20-26



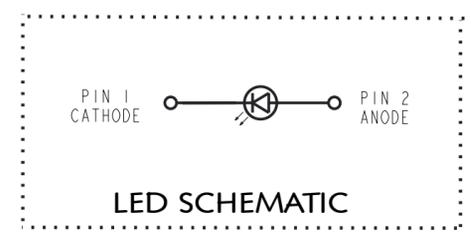
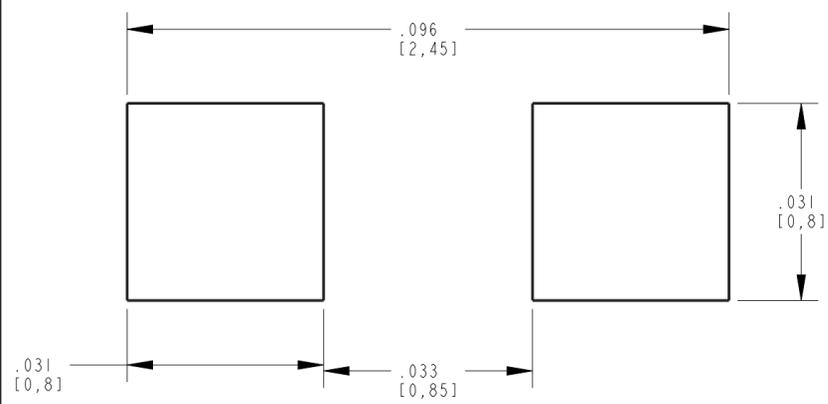
ABSOLUTE MAXIMUM RATINGS AT 25°C						
LED COLOR	POWER DISSIPATION (mW)	FORWARD CURRENT (mA)	PEAK FORWARD CURRENT (mA)	REVERSE VOLTAGE (V)	OPERATING TEMPERATURE (°C)	STORAGE TEMPERATURE (°C)
BLUE (470nm)	66	20	100	5	-40 TO +100	-40 TO +100
GREEN (527nm)	70					
WHITE	66					

OPERATING CHARACTERISTICS AT 25°C										
LED COLOR	IF (mA)	LUMINOUS INTENSITY (mcd)			DOMINANT WAVELENGTH (nm)			REVERSE CURRENT	FORWARD VOLTAGE (VF=5mA)	
		MIN.	TYP.	MAX.	MIN.	TYP.	MAX.	MAX.	TYP.	MAX.
BLUE (470nm)	5	14	40	56	465	470	475	10 μA @ VR=5V	2.9	3.3
GREEN (527nm)		56	140	220	520	527	535		3	3.5
WHITE		56	120	220	—	X=0.295 Y=0.280	—		2.9	3.3



Mark	Meanings	Conditions
T _{Smax}	Maximum of pre-heating temperature	180°C
T _{Smin}	Minimum of pre-heating temperature	140°C
t _s	Time from T _{Smin} to T _{Smax}	Over 60sec.
T _L	Reference temperature	230~260°C
t _L	Retention time for T _L	Within 40sec.
T _P	Peak temperature	260°C(Max)
t _p	Time for peak temperature	Within 10sec.
ΔT _R /Δt	Temperature rising rate	Under 3°C/sec.
ΔT _D /Δt	Temperature decreasing rate	Over -3°C/sec.

RECOMMENDED RoHS SOLDER PROFILE



RECOMMENDED SOLDER PAD LAYOUT



- NOTES:
- DIALIGHT P/N: 597-3XX4-502F, 597-3XX4-507F. SUFFIX -507F FOR 7" DIAMETER REEL, PACKAGED 3000 PCS PER REEL
 - 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
 - TAPE AND REEL LEDS MAY REQUIRE RE-TAPING AFTER TWELVE MONTHS.
 - PIN NUMBERS ARE FOR REFERENCE ONLY, DESIGNATION NON-EXISTENT ON PART.
 - THIS PRODUCT IS RoHS COMPLIANT. EACH BAG IS TO BE MARKED WITH RoHS COMPLIANT LABEL OR EQUIVALENT MARKINGS. LED MUST BE Pb FREE.
 - MSL LEVEL 3

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DIALIGHT CORP INTERNAL REFERENCE ONLY - 3D MODEL : 4500521848X15-A-3

SCALE: 50.000 DRAWING NUMBER: C-18367 REV: C

TOLERANCES: UNLESS OTHERWISE SPECIFIED

ALL DIM'S IN: INCHES (MM)

FRACTIONS: ±1/64
DECIMALS (.XX): ±.01
DECIMALS (.XXX): ±.005
DECIMALS (.XXXX): ±.0005
ANGLES: ±1°

FINISH:

FSCM 83330 SHEET 1 OF 1 FAMILY TABLE:

TITLE: SM LED 0603 PACKAGE MATERIAL:

Dialight 1501 ROUTE 34 SOUTH FARMINGDALE, NJ 07727 (732) 919-3119 www.dialight.com