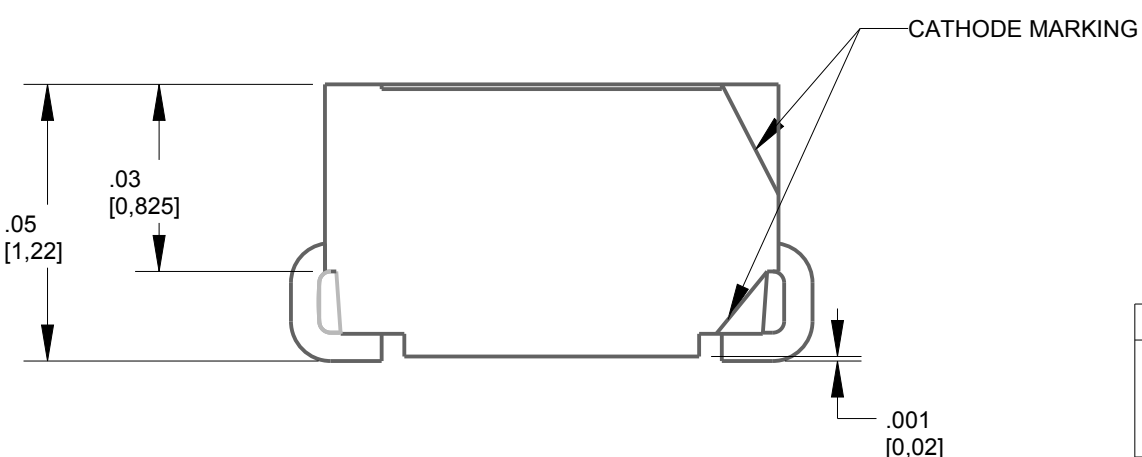
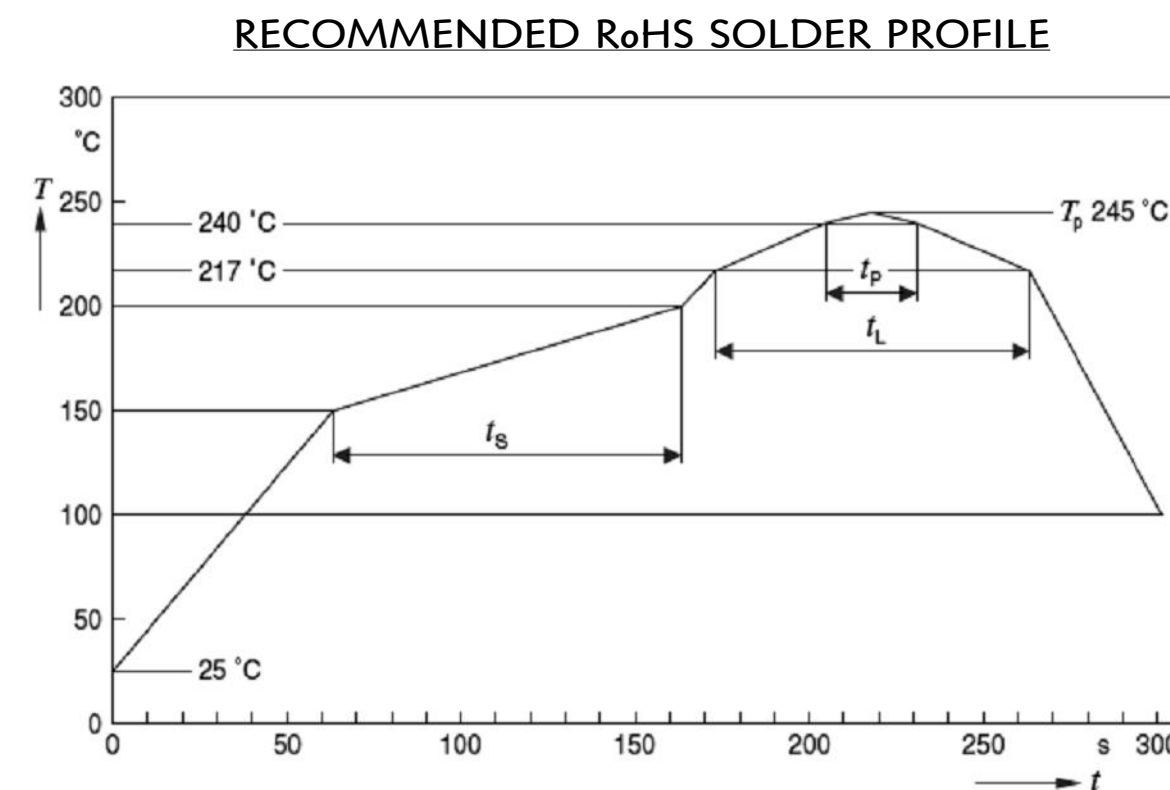
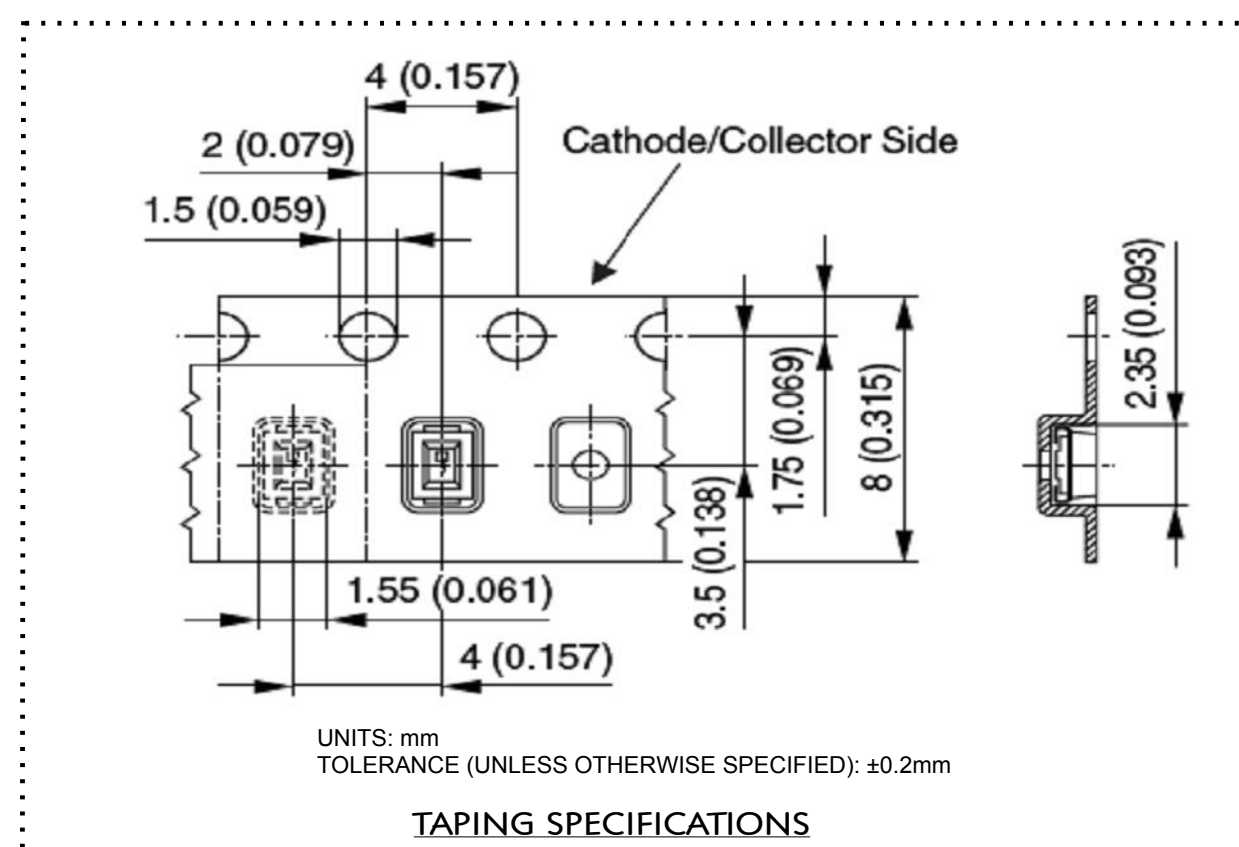
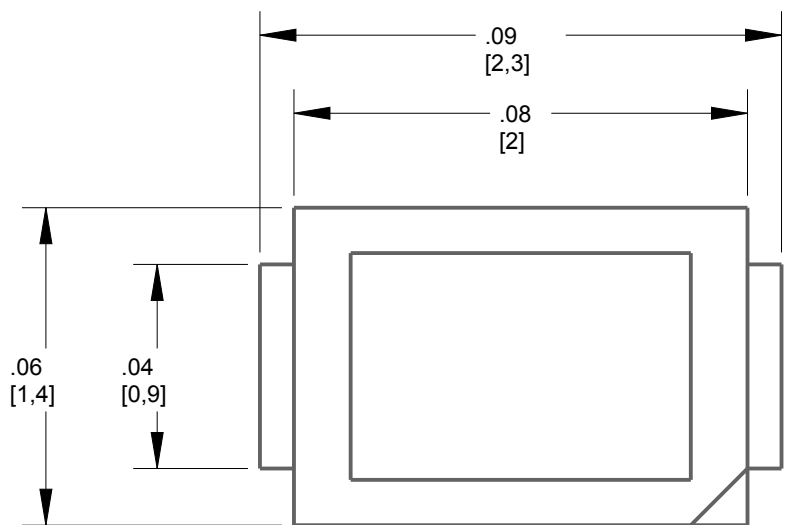


PART NUMBER	LED COLOR (nm)
597C3008202F	RED (630)
597C3008207F	
597C3208202F	ORANGE (606)
597C3208207F	
597C3408202F	YELLOW (588)
597C3408207F	
597C3608202F	ICE BLUE
597C3608207F	
597C3908202F	WHITE
597C3908207F	

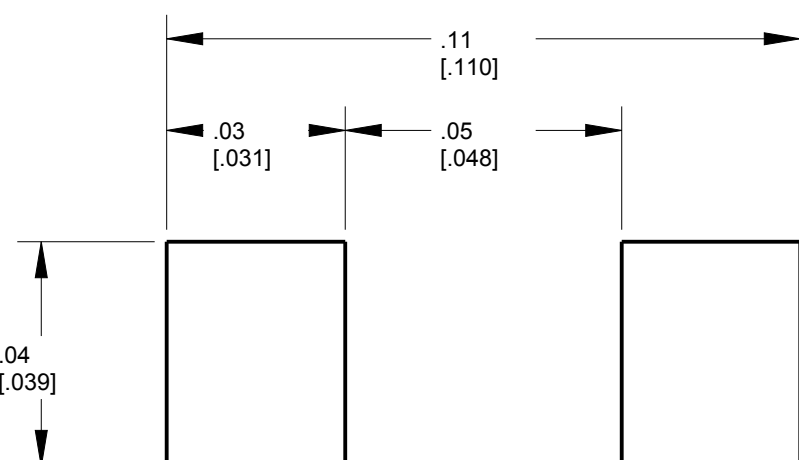
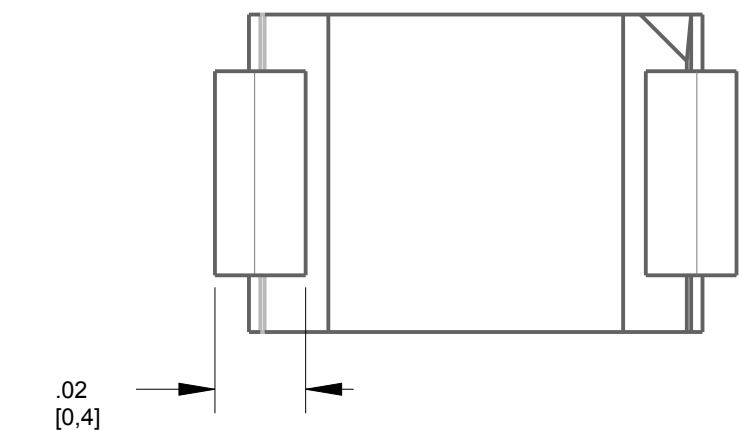
REV	REVISIONS	DRN	APP	DATE
A	NEW RELEASE	LD	NO	1-9-19
B	ADDED CHROMACITY COORDINATE AND VIEWING ANGLE	LD	NO	4-25-19
C	REVISED PART NUMBERS ADDED ESD, JUNCTION TEMP & THERMAL RESISTANCE VALUE	LD	NO	5-17-19



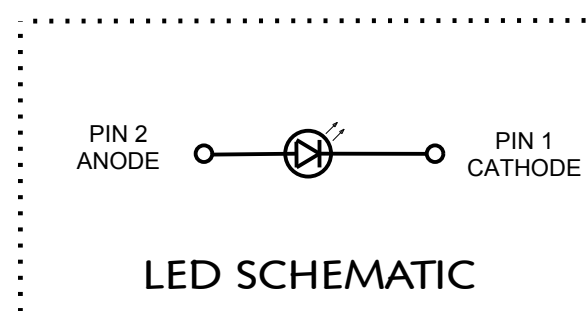
ABSOLUTE MAXIMUM RATINGS AT 25 °C							
LED COLOR (nm)	FORWARD CURRENT (mA)	SURGE CURRENT (mA) t<10µs; D=.005	REVERSE VOLTAGE (V)	ELECTROSTATIC DISCHARGE (ESD)	OPERATING TEMPERATURE (°C)	STORAGE TEMPERATURE (°C)	JUNCTION TEMPERATURE (°C)
RED (630)	20	100	12	2000	-40 TO +100	-40 TO +100	100
ORANGE (606)	20	100					
YELLOW (588)	20	100	5				
ICE BLUE	15	150					
WHITE	20	200					

MARK	DEFINITION	CONDITION
TS _{max}	Maximum of pre-heating temperature	260 °C
TS _{min}	Minimum of pre-heating temperature	150 °C
T _s	Time form Tsmin to Tsmax	60-120 sec
T _L	Reference temperature	217 °C
t _L	Retention time for TL	within 80s
T _P	Peak Temperature	245 °C
t _P	Time for peak temperature	within 20s
DTr/Dt	Temperature rising rate	under 3 °C/sec
DTd/Dt	Temperature decreasing rate	under -3 °C/sec

OPERATING CHARACTERISTICS AT 25 °C															
LED COLOR (nm)	TEST CONDITION	CHROMACITY COORDINATE		LUMINOUS INTENSITY (mcd)			DOMINANT WAVELENGTH (nm)			REVERSE CURRENT (MAX)	FORWARD VOLTAGE IF=20mA			THERMAL RESISTANCE K/W (MAX)	VIEWING ANGLE (DEG) @ 50% IV
		Cx	Cy	MIN	TYP	MAX	MIN	TYP	MAX		MIN	TYP	MAX		
RED (630)	2	0.2	0.3	3.55	9	14	624	630	636	10 uA @VR=12V	1.7	1.8	2.2	280	120
ORANGE (606)				5.6	14	22.4	600	606	609		1.7	1.8	2.2		
YELLOW (588)				4.5	11	18	580	587	595		1.7	1.8	2.2		
ICE BLUE				9	15.7	22.4					2.5	2.75	3.1	230	
WHITE				.33	.33	9	23	36					2.5		



RECOMMENDED SOLDER PAD LAYOUT



ATTENTION:
OBSERVE PRECAUTIONS FOR
HANDLING ELECTROSTATIC
SENSITIVE DEVICES

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DIALIGHT CORP. INTERNAL REFERENCE ONLY = 3D MODEL: 450021848X15-A-1		
SCALE: 30.00	DRAWING NUMBER	REV
ALL DIMS IN: INCHES (MM)	C-18410	C
TOLERANCES: UNLESS OTHERWISE SPECIFIED	TITLE	
FRACTIONS: ±1/64	MINI-PLCC2 PACKAGE	
DECIMALS (.XX): ±.01	MATERIAL	
DECIMALS (.XXX): ±.005	Dialight	
DECIMALS (.XXXX): ±.0005	1501 ROUTE 34 SOUTH FARMINGDALE, NJ 07727 (732) 919-3119 www.dialight.com	
ANGLES: ±1°	FINISH	
FSCM 83330	SHEET 1 OF 1 FAMILY TABLE:	