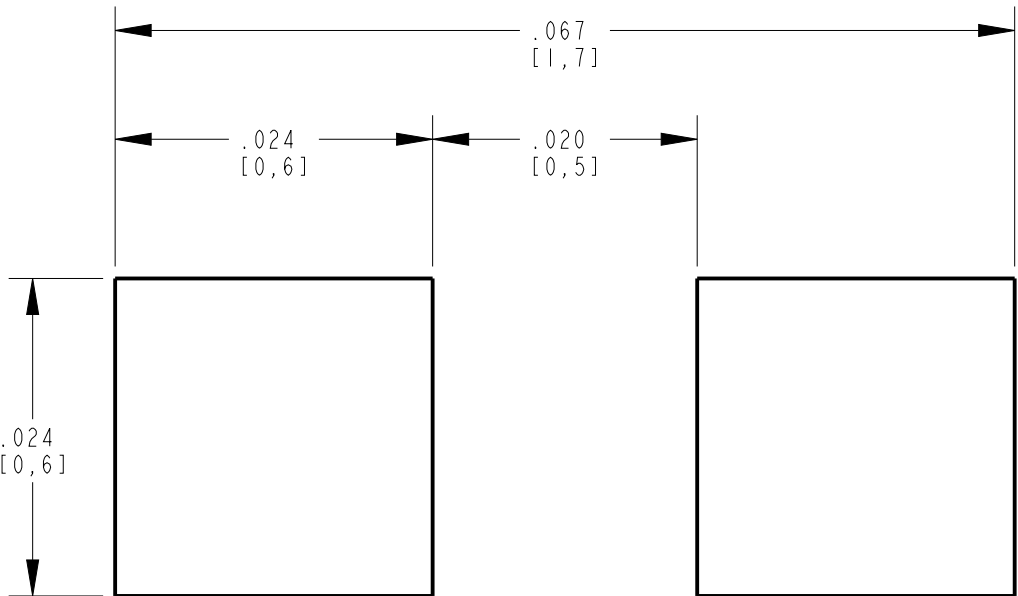
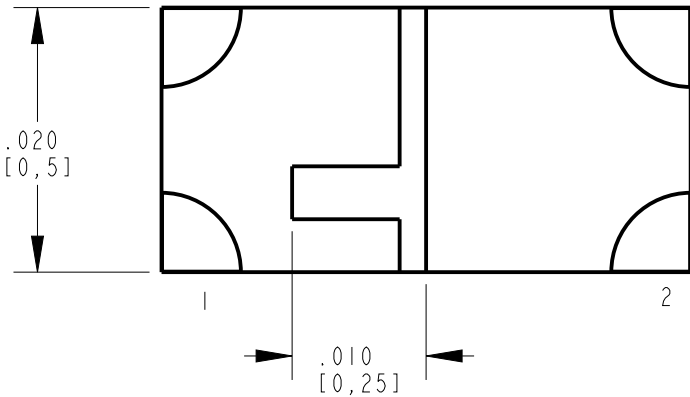
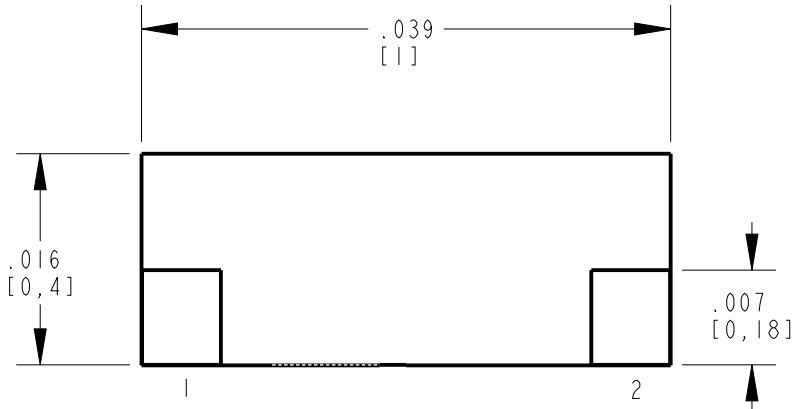
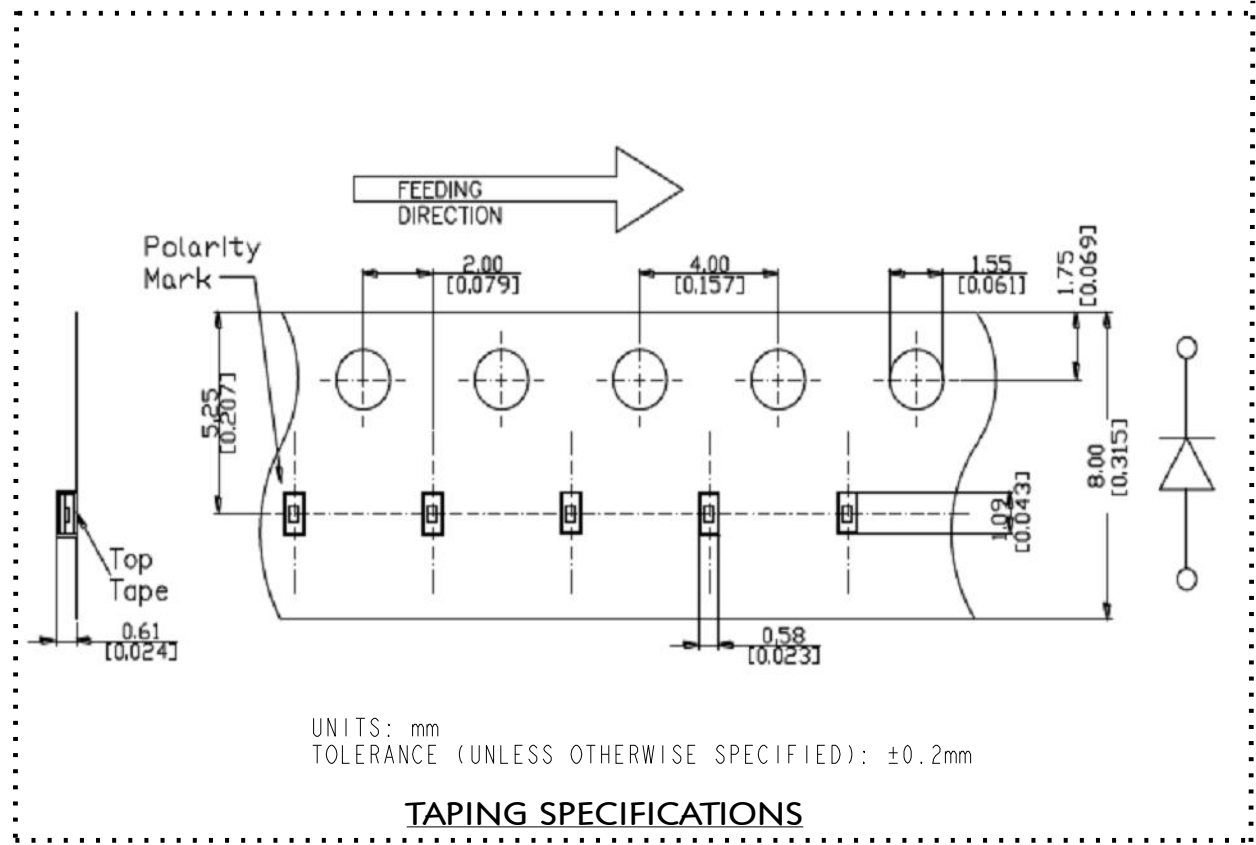


PART NUMBER	LED COLOR (nm)
598-8A10-107F	RED (635)
598-8A20-107F	RED (625)
598-8A30-107F	ORANGE (602)
598-8A40-107F	YELLOW (591)
598-8A60-107F	YELLOW GREEN (572)
598-8A80-107F	GREEN (527)
598-8A90-107F	BLUE (470)

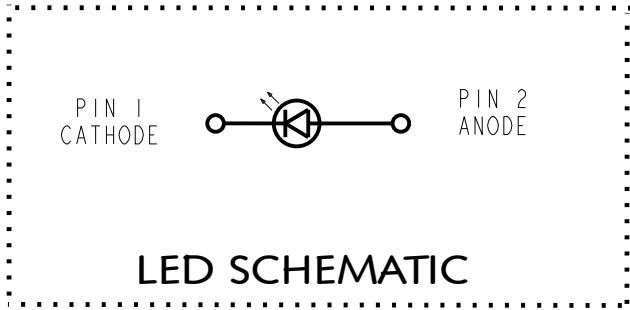


RECOMMENDED SOLDER PAD LAYOUT



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)	DERATING VALUE FROM 25 °C (mA/°C)
RED (635)	46	20	60	5	-40 TO +85	-40 TO +85	.25
RED (625)	50						
ORANGE	52						
YELLOW	24						
YELLOW GREEN	24						
GREEN	33						
BLUE	33						

OPERATING CHARACTERISTICS AT 25°C											
LED COLOR	TEST CONDITION	LUMINOUS INTENSITY (mcd)			DOMINANT WAVELENGTH (nm)			REVERSE CURRENT	FORWARD VOLTAGE (VF=5mA)		VIEWING ANGLE (DEG)
	IF (mA)	MIN	TYP	MAX	MIN	TYP	MAX	MAX	TYP	MAX	2Ø 1/2
RED (635)	5	28	65	100	630	635	640	10µA @ VR=5V	1.6	2.3	140
RED (625)		28	47	65	620	625	630		1.8	2.4	
ORANGE		28	47	65	600	605	610		1.8	2.4	
YELLOW		18	42	65	587	591	595		1.8	2.4	
YELLOW GREEN		8	12	18	568	572	575		1.8	2.4	
GREEN		230	330	430	525	528	530		2.5	3.3	
BLUE		43	72	100	465	470	475		2.5	3.3	



ATTENTION:
OBSERVE PRECAUTIONS FOR
HANDLING ELECTROSTATIC
SENSITIVE DEVICES

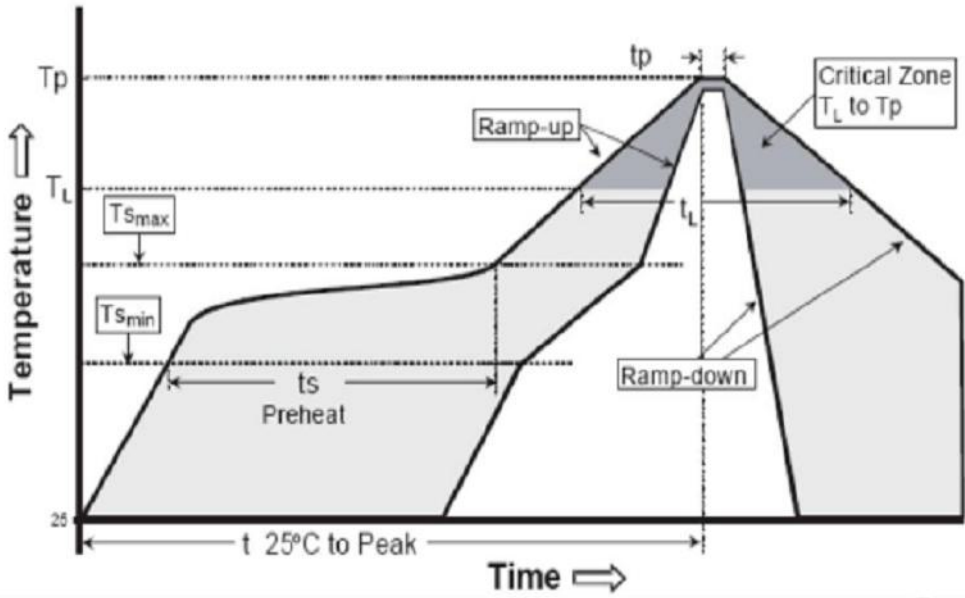
NOTES:

- 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 3
- QUANTITY IS 6,000 PCS/ REEL.

REV	ECN	REVISIONS	DRN	APP	DATE
A		NEW RELEASE	LD	NO	1-9-18
B		ADDED VIEWING ANGLE	LD	NO	4-25-19
C		REPLACED DUPLICATED GREEN WITH ORANGE, CHANGED THE POWER DISSIPATION, DERATING VALUES, FORWARD CURRENT OF THE LEDs.	LD	NO	8-30-19
D		REVISED NOTE 5, QUANTITY WAS 4000 PCS/REEL	LD	CS	7-30-24
E	129096	DELETED PART NUMBERS W/ -102F SUFFIX	LD	CS	3-28-25

RECOMMENDED RoHS SOLDER PROFILE

SMT Reflow Soldering Instructions SMT



Profile Feature	Symbol	Pb-Free (SnAgCu) Assembly			Unit
		Min	Tpy	Max	
Ramp-up rate to preheat (25°C to 150°C) (Tsmax - Tp)			2	3	°C/s
Time ts (Tsmin to Tsmax) (tsmin - tsmax)	ts	60	100	120	s
Ramp-up rate to peak (Tsmax to Tp) Tsmax			2		°C/s
Liquidus temperature (TL)	TL	217	°C		°C
Time above liquidus temperature (tL)	tL		80	100	s
Peak temperature (Tp)	Tp		245	260	°C/s
Time within 5°C of the specified peak temperature Tp-5°C	tP	10	20	30	s
Ramp-down rate (Tp to 100°C)			3	6	°C/s
Time (25°C to Tp)				480	s

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DIALIGHT CORP INTERNAL REFERENCE ONLY - 3D MODEL : 4500521848X15-A-1					
SCALE: 70.000		DRAWING NUMBER		REV	
ALL DIM'S IN: INCHES (MM)		C18402		E	
TOLERANCES: UNLESS OTHERWISE SPECIFIED		TITLE		SM LED 0402 PACKAGE	
FRACTIONS: ±1/64		MATERIAL			
DECIMALS (.XX): ±.01					
DECIMALS (.XXX): ±.005					
DECIMALS (.XXXX): ±.0005					
ANGLES: ±1°		FINISH		FSCM 83330	
		SHEET 1 OF 1		FAMILY TABLE:	