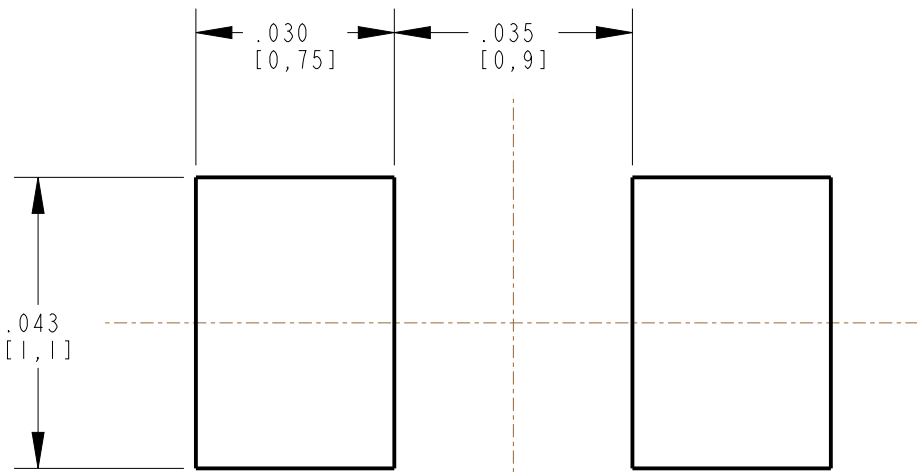
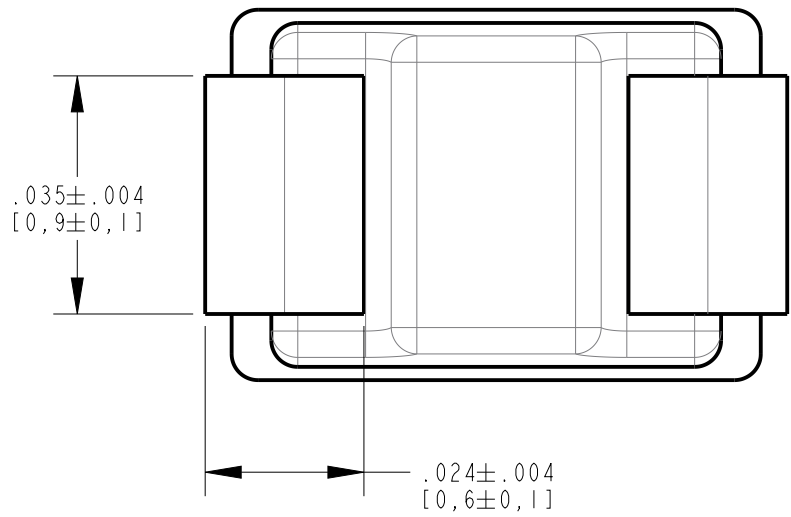
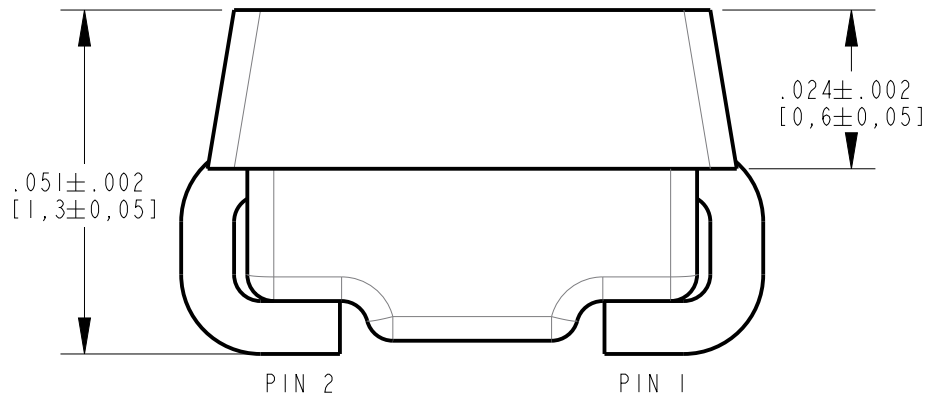
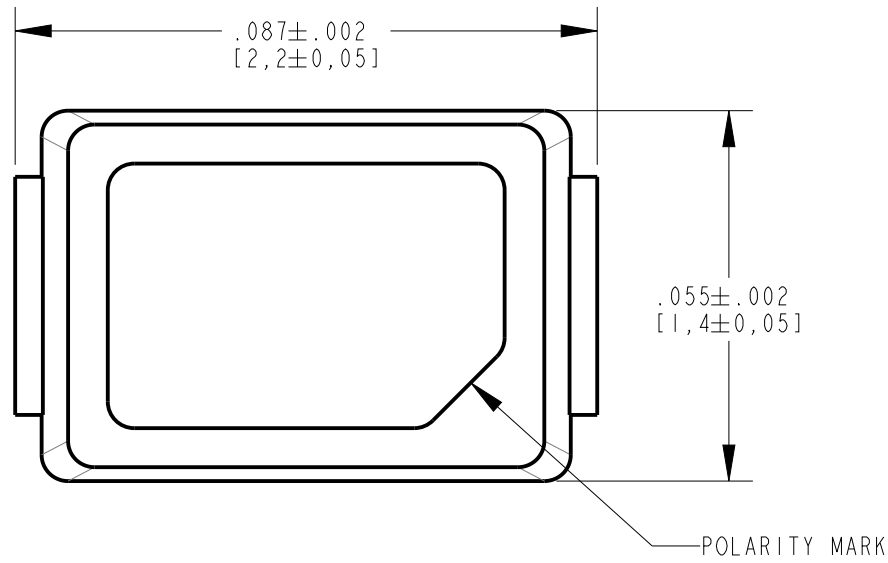
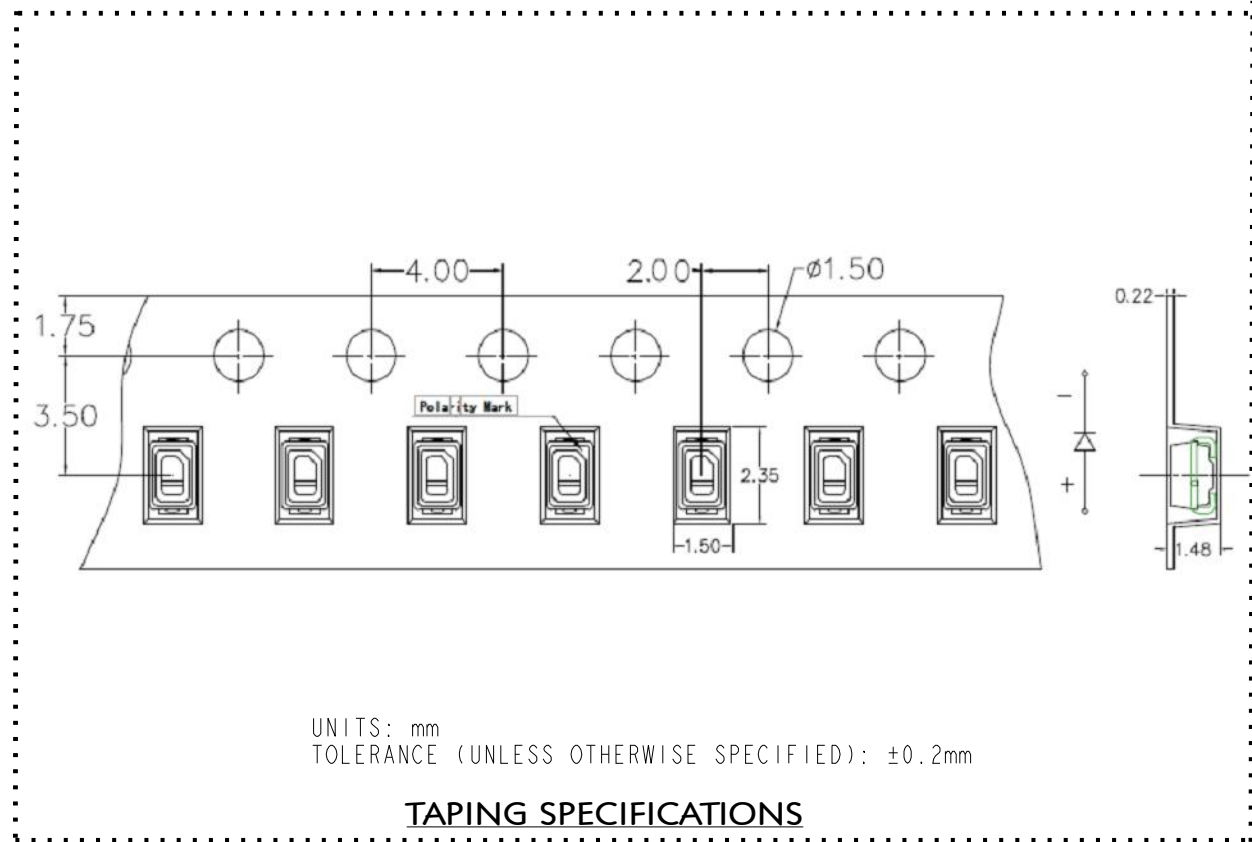


PART NUMBER	LED COLOR (nm)
5988C10102F	RED (625)
5988C10107F	
5988C30102F	ORANGE (605)
5988C30107F	
5988C40102F	YELLOW (590)
5988C40107F	
5988C60102F	YELLOW GREEN (570)
5988C60107F	
5988C80102F	GREEN (525)
5988C80107F	
5988C90102F	BLUE (470)
5988C90107F	



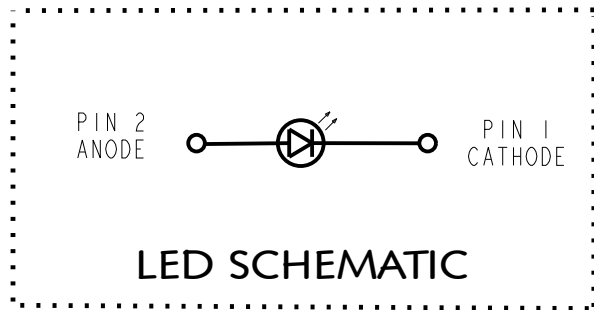
RECOMMENDED SOLDER PAD LAYOUT



TAPING SPECIFICATIONS

ABSOLUTE MAXIMUM RATINGS AT 25°C								
LED COLOR	POWER DISSIPATON (mW)	FORWARD CURRENT (mA)	PEAK FORWARD CURRENT (mA)	REVERSE VOLTAGE (V)	OPERATING TEMPRATURE (°C)	STORAGE TEMPRATURE (°C)	DERATING CURVE (mA/°C)	ELECTROSTATIC DISCHARGE (V)
RED	48	20	60	5	-40 TO +85	-40 TO +100	.49	2000
ORANGE	70						.45	
YELLOW	48						.51	
YELLOW GREEN	48						.49	
GREEN	70						.57	
BLUE	70						.51	

OPERATING CHARACTERISTICS AT 25°C												
LED COLOR	TEST CURRENT	LUMINOUS INTENSITY (mcd)			DOMINANT WAVELENGTH (nm)			REVERSE CURRENT	FORWARD VOLTAGE		VIEWING ANGLE (DEG)	THERMAL RESISTANCE (°C/W)
	IF (mA)	MIN.	TYP.	MAX.	MIN	TYP.	MAX	MAX	TYP.	MAX.	TYP	MAX
RED	20	280	405	530	620	625	630	10μA @ VR=5V	1.8	2.4	120	110
ORANGE		230	290	350	600	605	610		1.8	2.4		
YELLOW		280	405	530	585	590	595		1.8	2.4		
YELLOW GREEN		40	65	90	565	570	575		1.8	2.4		
GREEN		1500	1900	2300	520	525	530		2.8	3.3		
BLUE		350	440	530	465	470	475		2.8	3.3		



LED SCHEMATIC



ATTENTION:
OBSERVE PRECAUTIONS FOR
HANDLING ELECTROSTATIC
SENSITIVE DEVICES

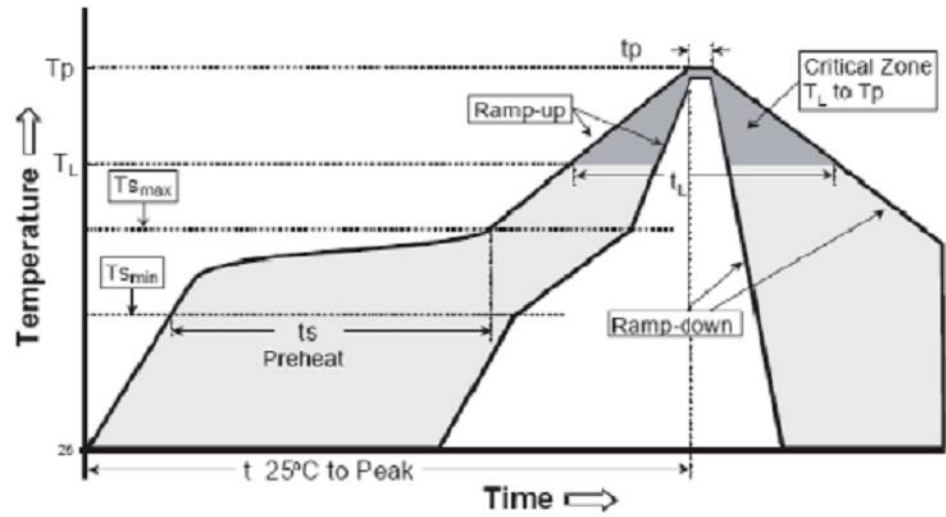
NOTES:

- 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
- PART NUMBERS WITH -107F SUFFIX IS A 7 IN REEL WITH 3,000 PCS
PART NUMBERS WITH -102F SUFFIX IS A 20 PCS SAMPLE STRIP

REV	REVISIONS	DRN	APP	DATE
A	NEW RELEASE	LD	NO	3-22-19
B	ADDED VIEWING ANGLE	LD	NO	4-25-19
C	REMOVED 5mA on FORWARD VOLTAGE, REVISED TOLERANCES AND ADDED ELECTROSTATIC DISCHARGE	LD	SK	12-5-19
D	REVISED NOTE 5	LD	CS	3-17-23

RECOMMENDED RoHS SOLDER PROFILE

SMT Reflow Soldering Instructions SMT



MARK	DEFINITION	CONDITION
T_{smax}	Maximum of pre-heating temperature	200 °C
T_{smin}	Minimum of pre-heating temperature	150 °C
T_s	Time form T_{smin} to T_{smax}	60-120 sec
T_L	Reference temperature	217 °C
t_L	Retention time for T_L	within 60s
T_p	Peak Temperature	260 °C
t_p	Time for peak temperature	within 10s
DTr/Dt	Temperature rising rate	under 3° C/sec
DTd/Dt	Temperature decreasing rate	under -3° C/sec

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DIALIGHT CORP INTERNAL REFERENCE ONLY - 3D MODEL : 4500521848X15-A-1		
SCALE: 35.00	DRAWING NUMBER	REV
ALL DIM'S IN: INCHES (MM)	C18403	D
TOLERANCES: UNLESS OTHERWISE SPECIFIED	TITLE	MINI-PLCC2 PACKAGE
FRACTIONS: $\pm 1/64$	MATERIAL	
DECIMALS (.XX): $\pm .01$		
DECIMALS (.XXX): $\pm .005$		
DECIMALS (.XXXX): $\pm .0005$		
ANGLES: $\pm 1^\circ$		
FINISH		
FSCM 83330		
SHEET 1 OF 1	FAMILY TABLE:	