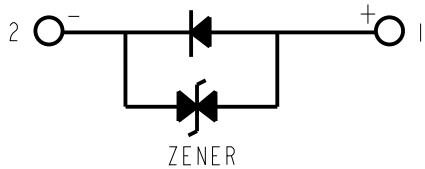
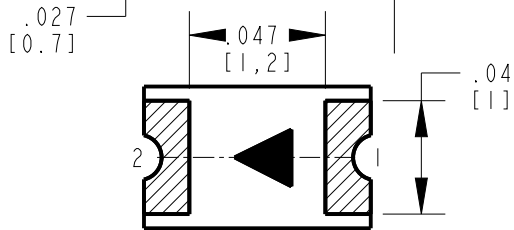
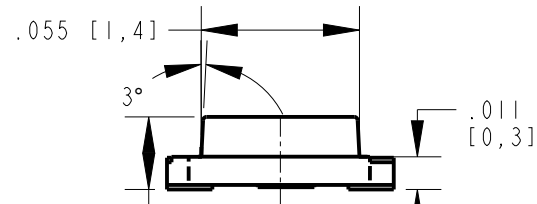
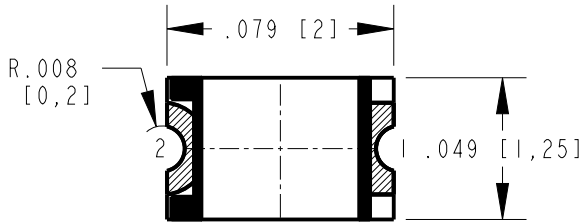


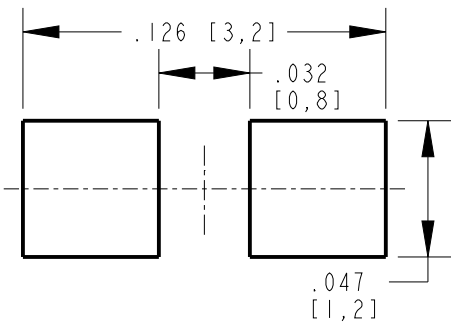
DIALIGHT PART NO.	LED COLOR (mcd)
598-2102-107F	WHITE (63-350) (X=0.27,Y=0.27)
598-2102-102F	
598-2103-107F	WHITE (150-700) (X=0.27,Y=0.25)
598-2103-102F	

- NOTES:
1. PIN NUMBERS ARE FOR REFERENCE ONLY, DESIGNATION NON-EXISTENT ON PART.
 2. 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.
 3. THIS PRODUCT IS RoHS COMPLIANT. EACH BAG IS TO BE MARKED WITH RoHS COMPLIANT LABEL OR EQUIVALENT MARKINGS. LED MUST BE Pb FREE.
 4. MOISTURE SENSITIVITY LEVEL 3.
 5. QUANTITY : PART NUMBERS END WITH 107F REFER AS 4000 PCS/ REEL
PART NUMBERS END WITH 102F REFER AS 20 PCS/ STRIP

REV	ECN NO	REVISIONS	DRN	CKD	APP	DATE
A	106183	NEW RELEASE	JSG	CS	NO	31MAY23

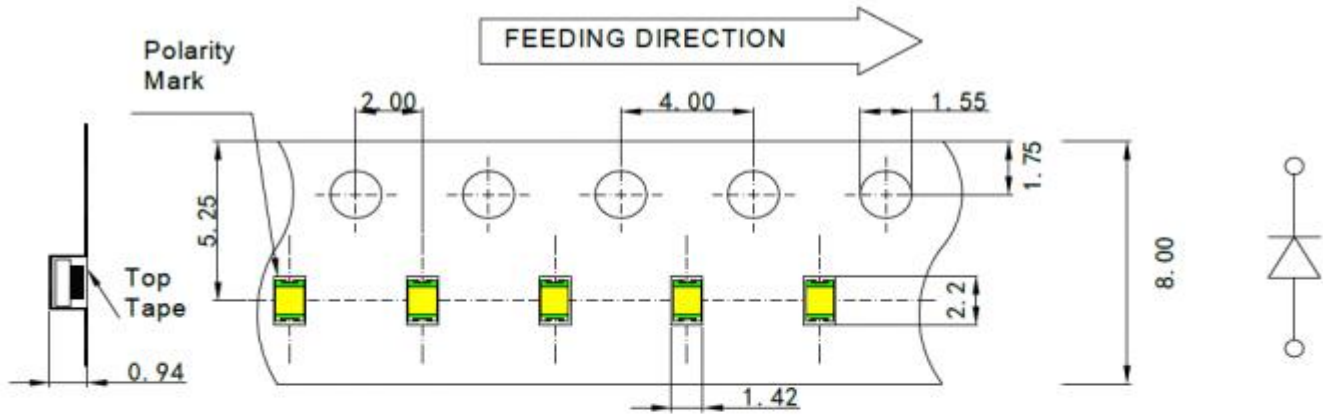


LED SCHEMATIC



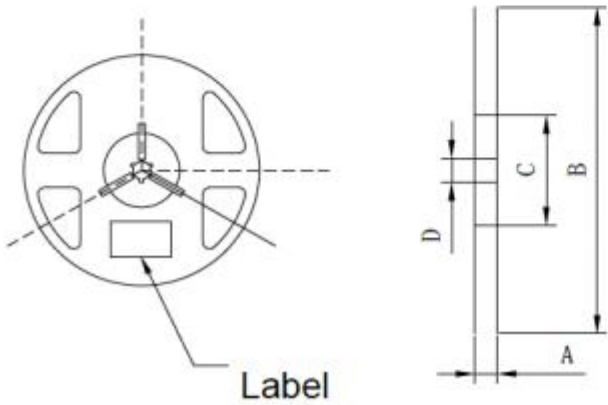
RECOMMENDED SOLDER PAD LAYOUT

Carrier Tape Dimension



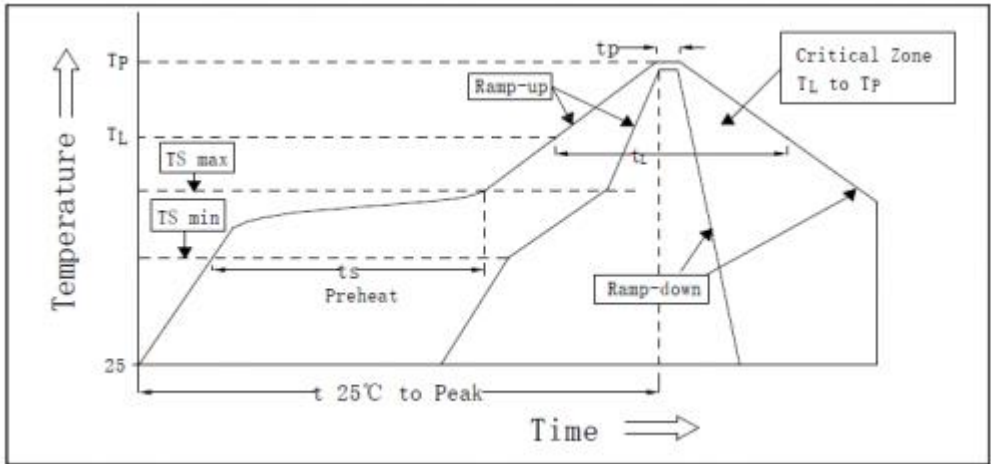
TOLERANCE (UNLESS OTHERWISE SPECIFIED): $\pm 0.003 (\pm 0.1 \text{ mm})$

Reel Dimension



A	8.0±0.1mm
B	178±1mm
C	60±1mm
D	13.0±0.5mm

RECOMMENDED RoHS SOLDER PROFILE



MARK	DEFINITION	CONDITION
T _{S max}	MAXIMUM OF PRE-HEATING TEMPERATURE	200°C
T _{S min}	MINIMUM OF PRE-HEATING TEMPERATURE	150°C
T _S	TIME FORM T _{S min} To T _{S max}	60s-120s
T _L	REFERENCE TEMPERATURE	217°C
t _L	RETENTION TIME FOR T _L	60s-150s
T _P	PEAK TEMPERATURE	260°C
t _P	TIME FOR PEAK TEMPERATURE	WITHIN 10s
DTr/Dt	TEMPERATURE RISING RATE	WITHIN 3°C/sec
DTd/Dt	TEMPERATURE DECREASING RATE	WITHIN 6°C/sec

ABSOLUTE MAXIMUM RATINGS AT 25°C							
LED COLOR	POWER DISSIPATON (mW)	FORWARD CURRENT (mA)	PEAK FORWARD CURRENT (mA)	OPERATING TEMPRATURE (°C)	STORAGE TEMPRATURE (°C)	DERATING CURVE FROM 25°C (mA/°C)	ELECTROSTATIC DISCHARGE (V)
WHITE (63-350mcd)	102	30	60	-40°C TO +85°C	-40°C TO +85°C	0.417	5000
WHITE (150-700mcd)	102	30	1/10 DUTY CYCLE, 0.1ms PULSE WIDTH	-40°C TO +85°C	-40°C TO +85°C	0.417	5000

OPERATING CHARACTERISTICS AT 25°C AMBIENT									
LED COLOR	TEST CONDITION (mA)	LUMINOUS INTENSITY (mcd)		FORWARD VOLTAGE (V)		CHROMATICITY COORDINATES (CALCULATED)	REVERSE CURRENT (uA)	VIEWING ANGLE (DEGREES)	THERMAL RESISTANCE °C/W
	TYP	MIN	MAX	MIN	MAX	TYP	MAX	TYP	MAX
	WHITE (63-350mcd)	5mA	65	350	2.6	3.4	X=0.277, Y=0.275	10μA @ VR=5V/10ms	140
WHITE(150-700mcd)	5mA	150	700	2.6	3.4	X=0.272, Y=0.254	140		450



ATTENTION:
OBSERVE PRECAUTIONS FOR
HANDLING ELECTROSTATIC
SENSITIVE DEVICES

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DIALIGHT CORP. INTERNAL REFERENCE ONLY = 3D MODEL : 4500521863X23- .1			
SCALE: 15.00	DRAWING NUMBER	REV	
ALL DIM's: INCH (mm)	C-18672		A
TOLERANCES: UNLESS OTHERWISE SPECIFIED	TITLE		
FRACTIONS: ±1/64	SM 0805 WHITE LED 0.7mm THICK		
DECIMALS (.XX): ±.01	MATERIAL		
DECIMALS (.XXX): ±.005			
DECIMALS (.XXXX): ±.0005			
ANGLES: ±1°			
FINISH			
FSCM 83330			
SHEET 1 OF 1		FAMILY TABLE:	

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