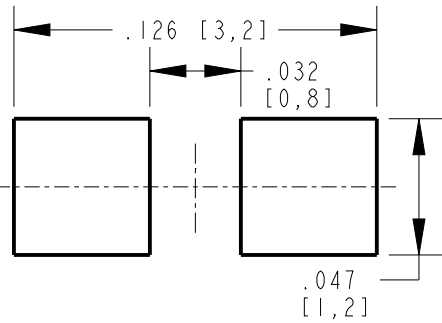
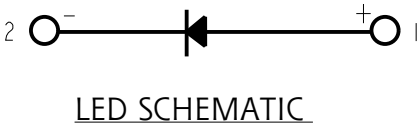
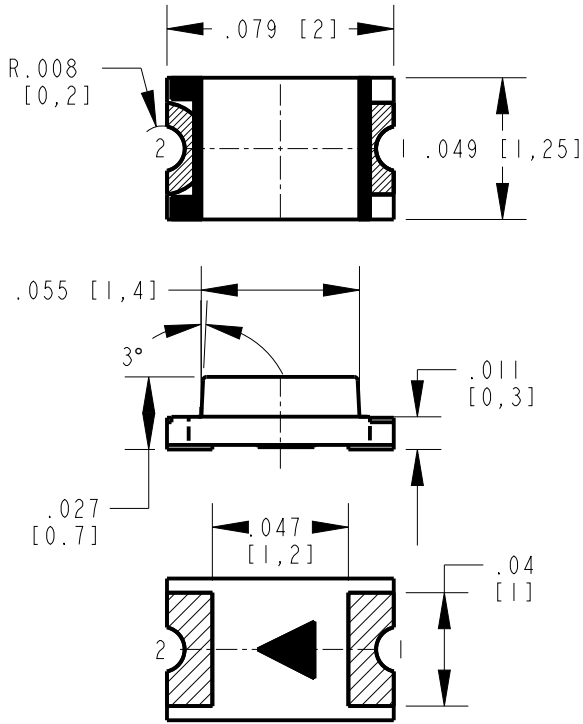


DIALIGHT PART NO.	LED COLOR
598-2105-107F	WHITE (X=0.28,Y=0.28)
598-2105-102F	

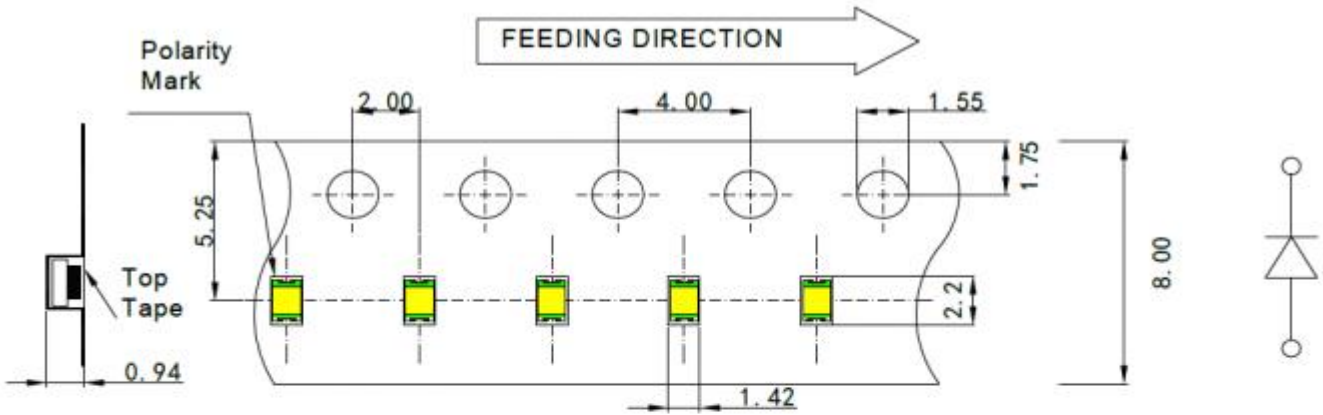
- NOTES:
1. PIN NUMBERS ARE FOR REFERENCE ONLY, DESIGNATION NON-EXISTENT ON PART.
 2. LABELING FOR REEL AND OUTSIDE OF ALUMINUM BAG, DIALIGHT P/N, QUANTITY PER REEL, DATE CODE, INTENSITY BIN CODE, LOT NUMBER AND COUNTRY OF ORIGIN.
 3. THIS PRODUCT IS RoHS COMPLIANT. EACH BAG IS TO BE MARKED WITH RoHS 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



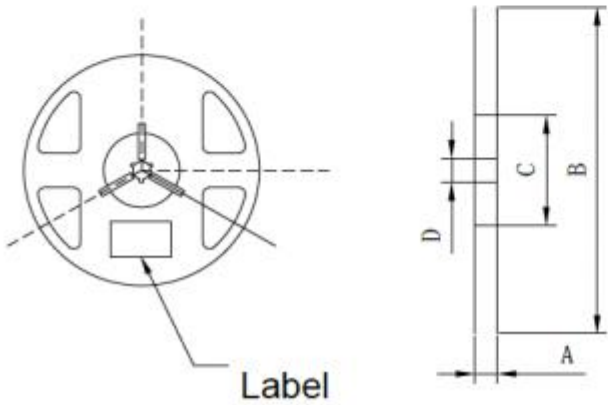
RECOMMENDED SOLDER PAD LAYOUT

Carrier Tape Dimension



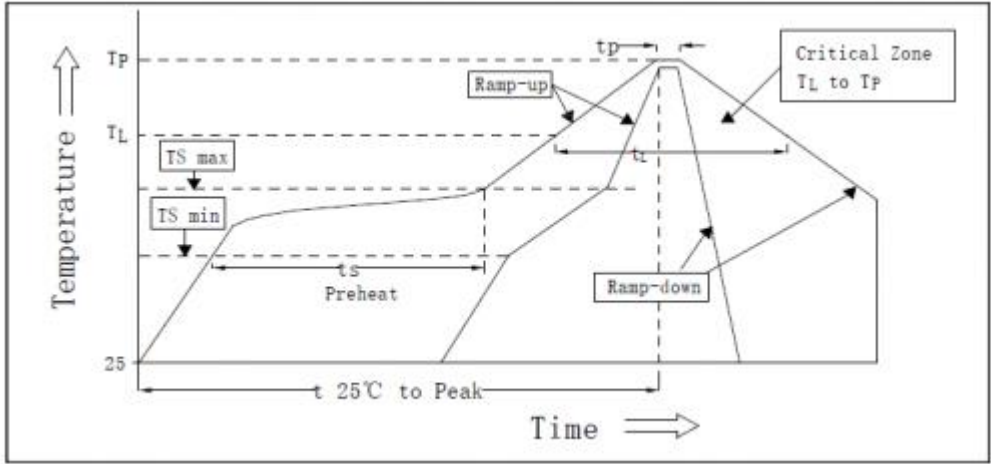
TOLERANCE (UNLESS OTHERWISE SPECIFIED): $\pm 0.003 (\pm 0.1 \text{ mm})$

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
DT_r/Dt	TEMPERATURE RISING RATE	WITHIN 3°C/sec
DT_d/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 TEMPERATURE (°C)	STORAGE TEMPERATURE (°C)	DERATING CURVE FROM 25°C (mA/°C)	ELECTROSTATIC DISCHARGE (V)
WHITE (600-1000mcd)	108	30	60 1/10 DUTY CYCLE, 0.1ms PULSE WIDTH	-40°C TO +85°C	-40°C TO +85°C	0.417	1000

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 (600-1000mcd)	20mA	600	1000	2.8	3.6	X=0.281,Y=0.288	10μA @ VR=5V/10ms	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	
ALL DIM's: INCH (mm)		REV	
TOLERANCES: UNLESS OTHERWISE SPECIFIED		C-18686	
FRACTIONS: ±1/64 DECIMALS (.XX): ±.01 DECIMALS (.XXX): ±.005 DECIMALS (.XXXX): ±.0005 ANGLES: ±1°		A	
FINISH		TITLE	
-		SM 0805 WHITE LED	
FSCM 83330		MATERIAL	
		-	
		Dialight	
		1501 ROUTE 34 SOUTH FARMINGDALE, NJ 07727 (732) 919-3119 www.dialight.com	
		SHEET 1 OF 1 FAMILY TABLE:	