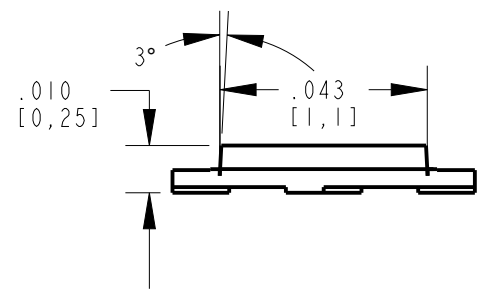
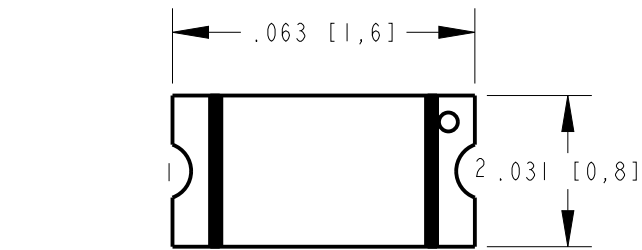


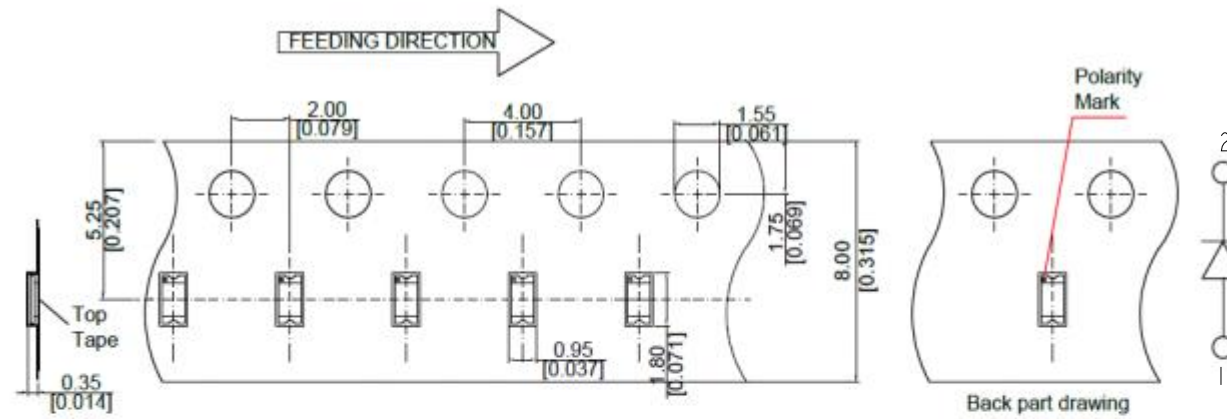
DIALIGHT PART NO.	LED COLOR	LENS COLOR
598-2N00-107F	WHITE (X=0.27, Y=0.25)	YELLOW DIFFUSED
598-2N00-102F		

- 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 : PART NUMBERS END WITH 107F REFER AS 6000 PCS/ REEL  
PART NUMBERS END WITH 102F REFER AS 20 PCS/ STRIP

REV	ECN NO	REVISIONS	DRN	CKD	APP	DATE
A	103746	NEW RELEASE	JSG	CS	NO	27FEB23
B	116780	LED QTY CHANGE, 6000 PCS PER REEL WAS 4000 PCS PER REEL.	JSG	CS	NO	09APR24

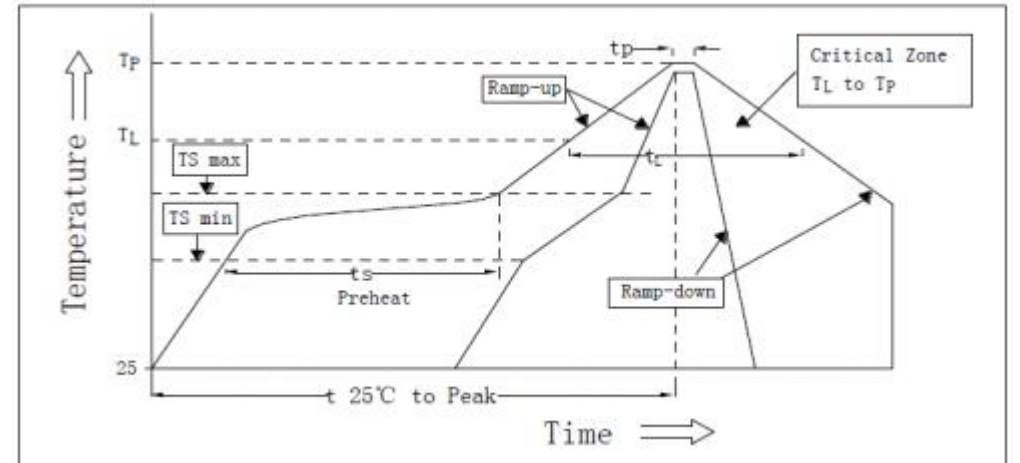


Carrier Tape Dimension



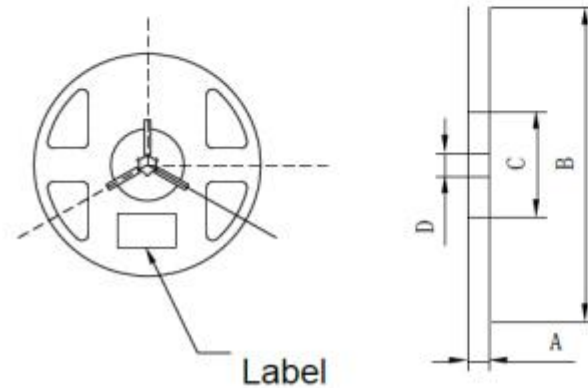
TAPING SPECIFICATIONS

RECOMMENDED RoHS SOLDER PROFILE



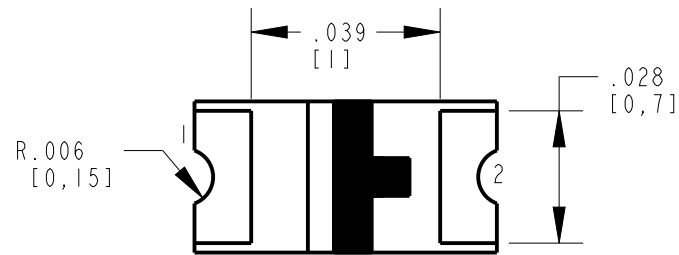
TOLERANCE (UNLESS OTHERWISE SPECIFIED): ±0.003(±0.1mm)

Reel Dimension

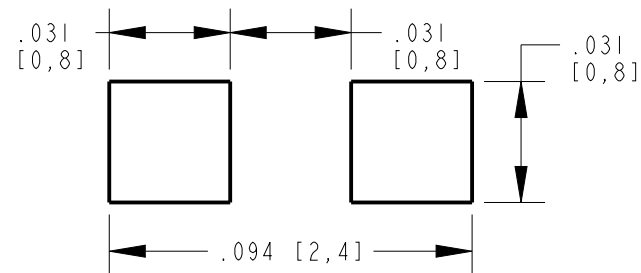


A	8.0±0.1mm
B	178±1mm
C	60±1mm
D	13.0±0.5mm

MARK	DEFINITION	CONDITION
TS <sub>max</sub>	MAXIMUM OF PRE-HEATING TEMPERATURE	200°C
TS <sub>min</sub>	MINIMUM OF PRE-HEATING TEMPERATURE	150°C
T <sub>s</sub>	TIME FORM Tsmin To Tsmax	60s-120s
T <sub>L</sub>	REFERENCE TEMPERATURE	217°C
t <sub>L</sub>	RETENTION TIME FOR T <sub>L</sub>	60s-150s
T <sub>p</sub>	PEAK TEMPERATURE	260°C
t <sub>p</sub>	TIME FOR PEAK TEMPERATURE	WITHIN 10s
DTr/Dt	TEMPERATURE RISING RATE	WITHIN 3°C/sec
DTd/Dt	TEMPERATURE DECREASING RATE	WITHIN 6°C/sec



LED SCHEMATIC



RECOMMENDED SOLDER PAD LAYOUT

ABSOLUTE MAXIMUM RATINGS AT 25°C							
LED COLOR	POWER DISSIPATION (mW)	FORWARD CURRENT (mA)	PEAK FORWARD CURRENT (mA) 1/10 DUTY CYCLE, 0.1ms PULSE WIDTH	OPERATING TEMPERATURE (°C)	STORAGE TEMPERATURE (°C)	DERATING CURVE (mA/°C)	ELECTROSTATIC DISCHARGE (V)
WHITE	102	30	60	-40°C TO +85°C	-40°C TO +85°C	0.416	1000

OPERATING CHARACTERISTICS AT 25°C AMBIENT										
LED COLOR	TEST CONDITION (mA)	LUMINOUS INTENSITY (mcd)		FORWARD VOLTAGE (V)		DOMINANT WAVELENGTH (nm)		REVERSE CURRENT (uA)	VIEWING ANGLE (DEGREES)	THERMAL RESISTANCE °C/W
		MIN	MAX	MIN	MAX	MIN	MAX	MAX	TYP	MAX
WHITE	20mA	430	1000	2.8	3.4	*X=0.272 Y=0.258		10µA @ VR=5V	140	450

\*CALCULATED CHROMATICITY COORDINATES (TYP)



**ATTENTION:**  
OBSERVE PRECAUTIONS FOR  
HANDLING ELECTROSTATIC  
SENSITIVE DEVICES

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DIALIGHT CORP INTERNAL REFERENCE ONLY = 3D MODEL : 4500521864523X-A.2		
SCALE: 25.000	DRAWING NUMBER	REV
ALL DIM'S: INCH (mm)	C-18662	B
TOLERANCES: UNLESS OTHERWISE SPECIFIED	TITLE SMD LED 0603 WHITE W/ YELLOW DIFFUSED LENS	
FRACTIONS: ±1/64	MATERIAL	
DECIMALS (.XX): ±.01	—	
DECIMALS (.XXX): ±.005	FINISH	
DECIMALS (.XXXX): ±.0005	—	
ANGLES: ±1°	FSCM 83330	
1501 ROUTE 34 SOUTH FARMINGDALE, NJ 07727 (732) 919-3119 www.dialight.com		
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