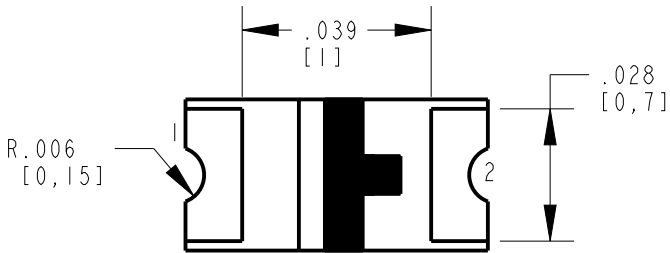
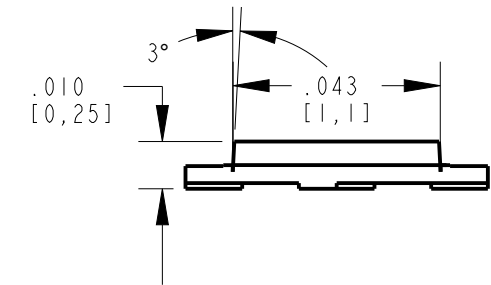
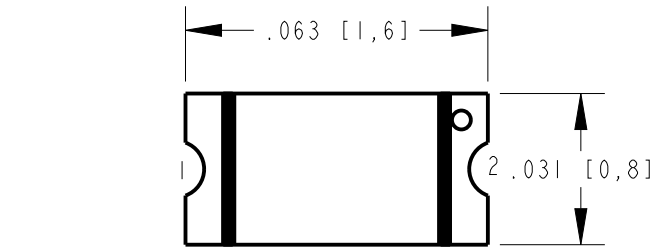


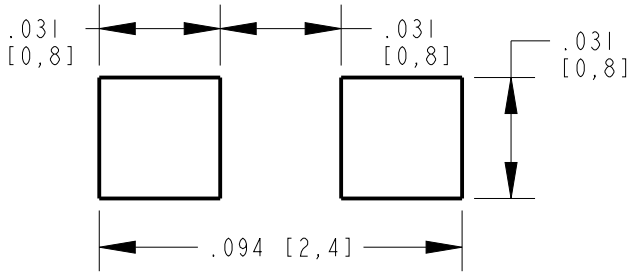
DIALIGHT PART NO.	LED COLOR	LENS COLOR
598-2N00-107F	WHITE (X=0.27,Y=0.25)	YELLOW DIFFUSED
598-2N00-102F		

- 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

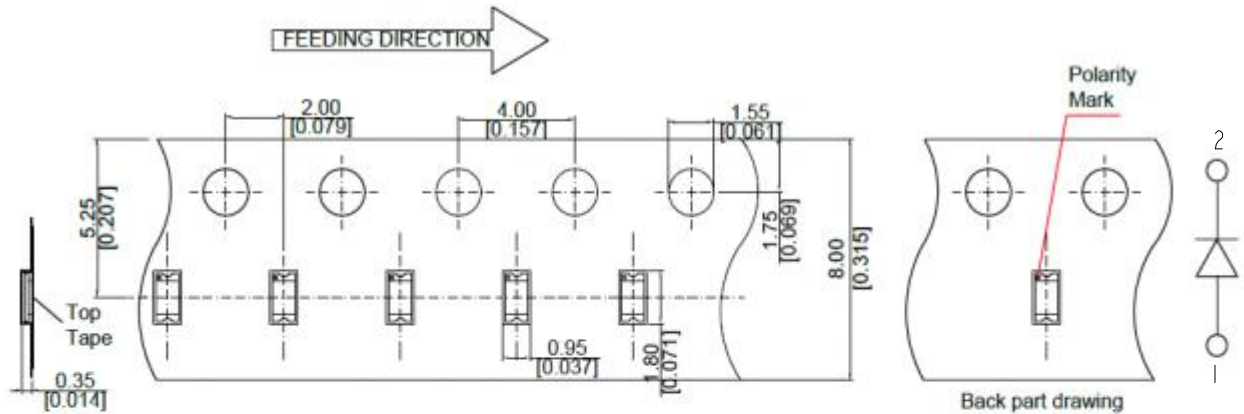


LED SCHEMATIC



RECOMMENDED SOLDER PAD LAYOUT

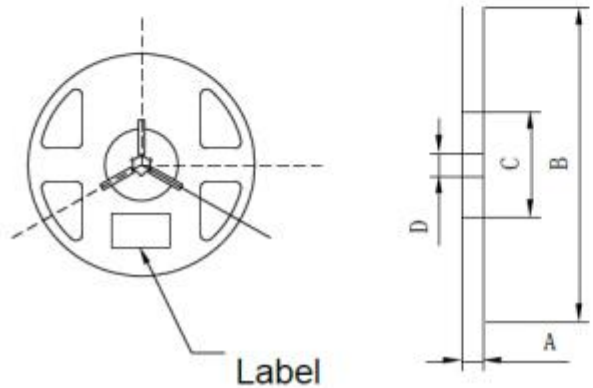
Carrier Tape Dimension



TAPING SPECIFICATIONS

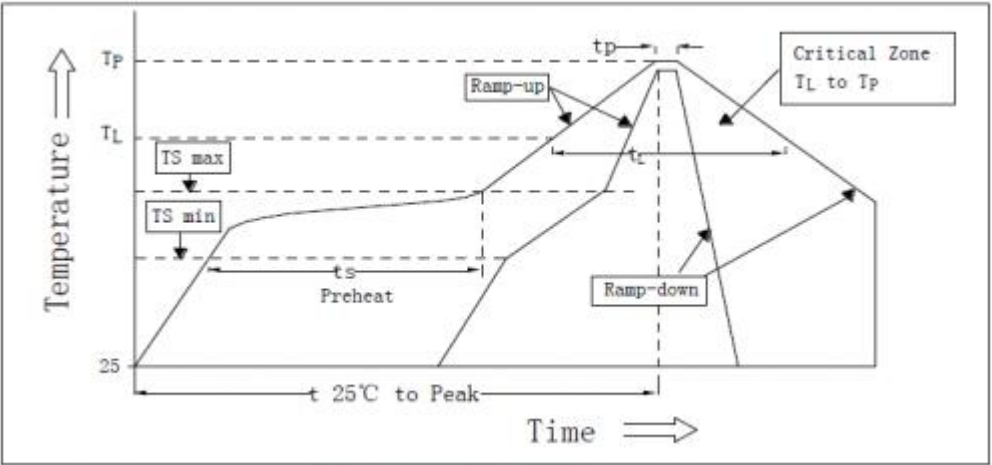
TOLERANCE (UNLESS OTHERWISE SPECIFIED):  $\pm 0.003 (\pm 0.1 \text{ mm})$

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 $T_{smin}$ To $T_{smax}$	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



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

ABSOLUTE MAXIMUM RATINGS AT 25°C							
LED COLOR	POWER DISSIPATON (mW)	FORWARD CURRENT (mA)	PEAK FORWARD CURRENT (mA) 1/10 DUTY CYCLE, 0.1ms PULSE WIDTH	OPERATING TEMPRATURE (°C)	STORAGE TEMPRATURE (°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)
		TYP	MIN	MAX	MIN	MAX	MIN		
WHITE	20mA	430	1000	2.8	3.4	*X=0.272 Y=0.258		10uA @ VR=5V	140

\*CALCULATED CHROMATICITY CORDINATES (TYP)

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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			
FRACTIONS: ±1/64	TITLE SMD LED 0603 WHITE W/ YELLOW DIFFUSED LENS		
DECIMALS (.XX): ±.01			
DECIMALS (.XXX): ±.005	MATERIAL  —		
DECIMALS (.XXXX): ±.0005			
ANGLES: ±1°	Dialight 1501 ROUTE 34 SOUTH FARMINGDALE, NJ 07727 (732) 919-3119 www.dialight.com		
FINISH  —			
FSCM 83330	SHEET 1 OF 1	FAMILY TABLE:	