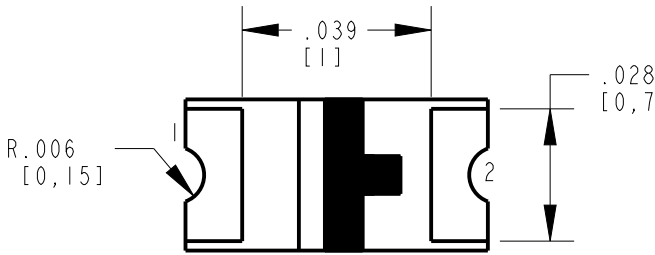
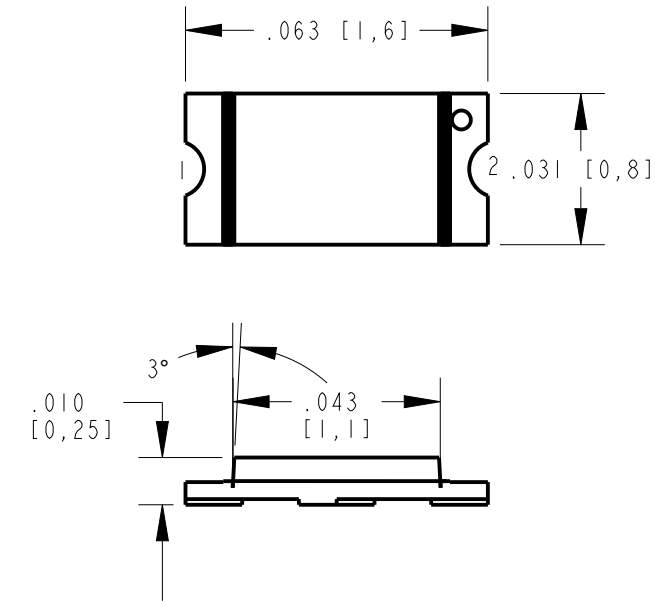


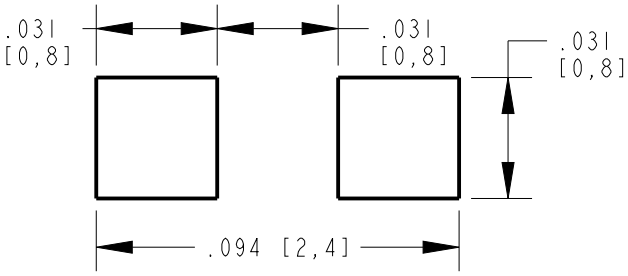
DIALIGHT PART NO.	LED COLOR	LENS COLOR
598-2N00-107F	WHITE (X=0.27,Y=0.25)	YELLOW DIFFUSED
598-2N00-102F		

- 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

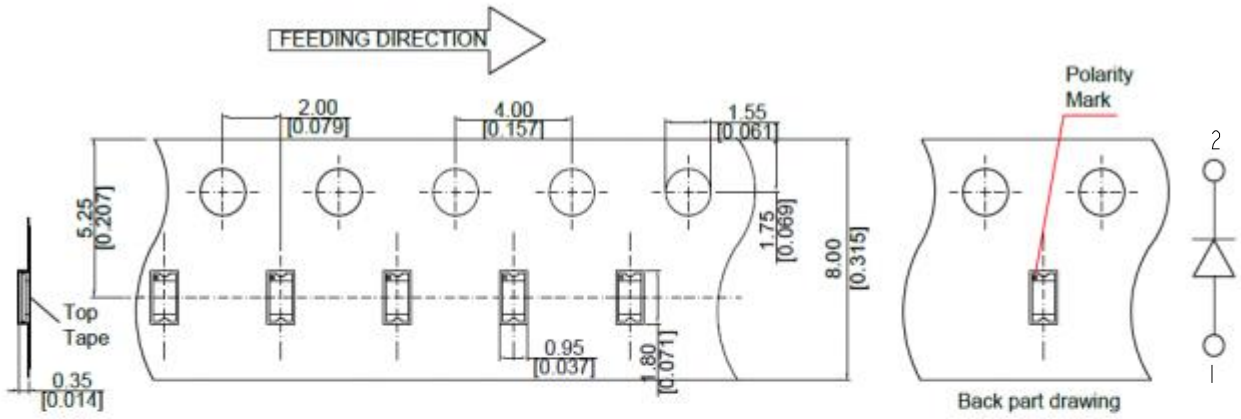


LED SCHEMATIC



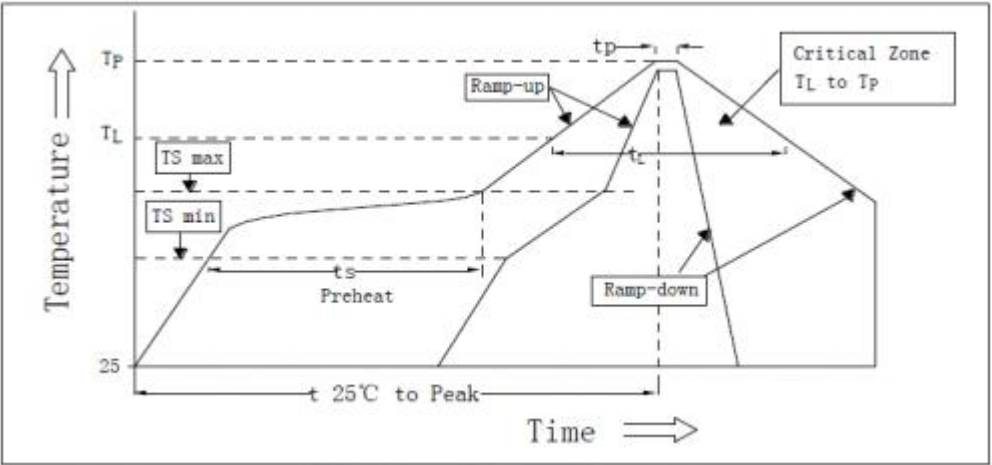
RECOMMENDED SOLDER PAD LAYOUT

Carrier Tape Dimension



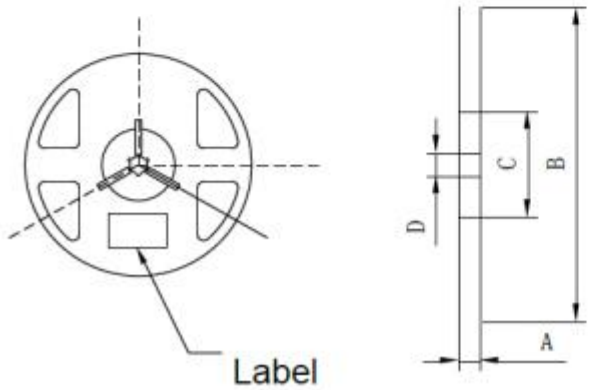
TAPING SPECIFICATIONS

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 _{max}	MAXIMUM OF PRE-HEATING TEMPERATURE	200°C
TS _{min}	MINIMUM OF PRE-HEATING TEMPERATURE	150°C
T _s	TIME FORM Tsmin To Tsmax	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) 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)	THERMAL RESISTANCE °C/W
	TYP	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 CORDINATES (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	
ALL DIM's: INCH (mm)		REV	
TOLERANCES: UNLESS OTHERWISE SPECIFIED		C-18662	
FRACTIONS: ±1/64		TITLE	
DECIMALS (.XX): ±.01		SMD LED 0603 WHITE W/ YELLOW DIFFUSED LENS	
DECIMALS (.XXX): ±.005		MATERIAL	
DECIMALS (.XXXX): ±.0005		—	
ANGLES: ±1°		Dialight	
FINISH		1501 ROUTE 34 SOUTH FARMINGDALE, NJ 07727 (732) 919-3119 www.dialight.com	
FSCM 83330		SHEET 1 OF 1 FAMILY TABLE:	