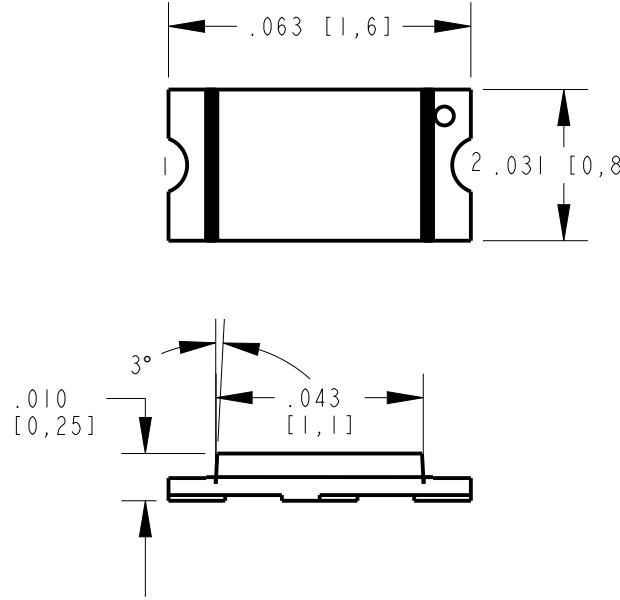


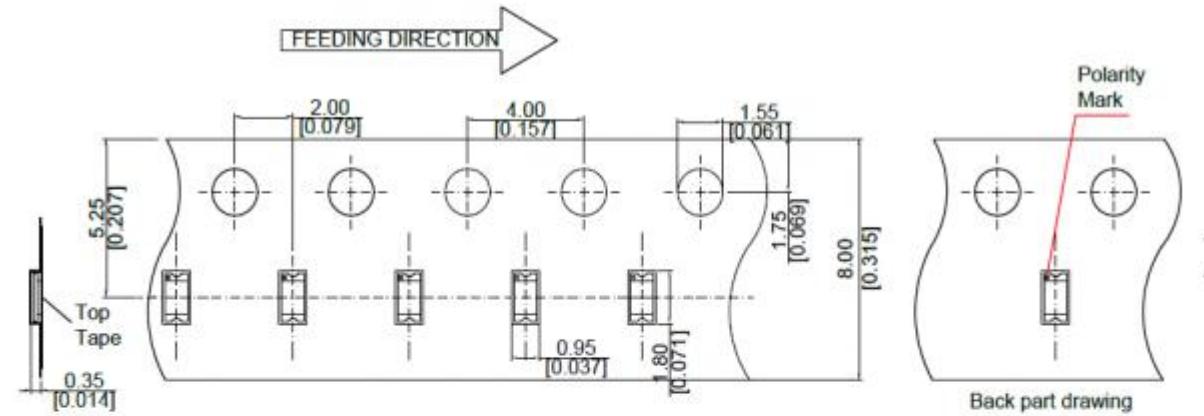
DIALIGHT PART NO.	LED COLOR	LENS COLOR
598-2N00-107F	WHITE (X=0.27, Y=0.25)	YELLOW DIFFUSED
598-2N00-102F		

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 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

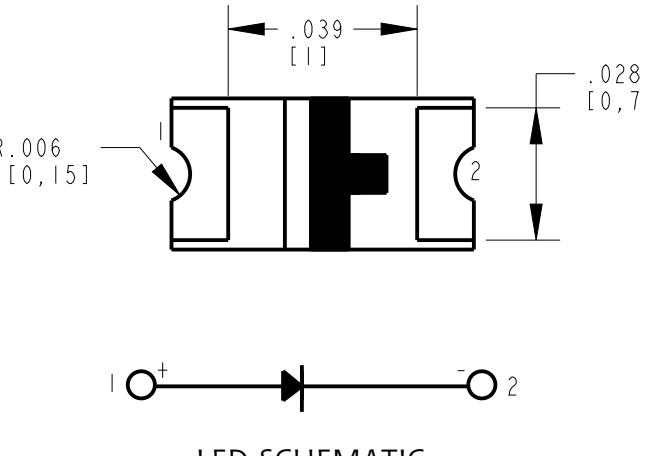
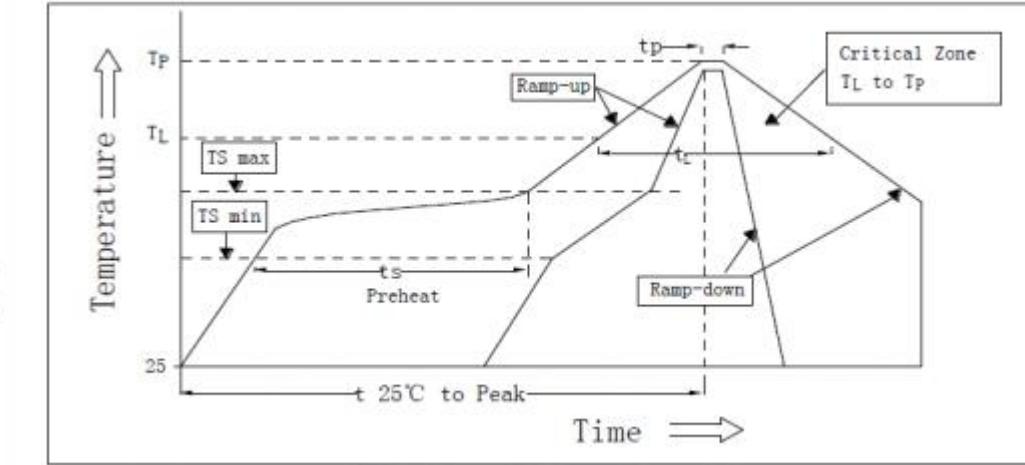


Carrier Tape Dimension

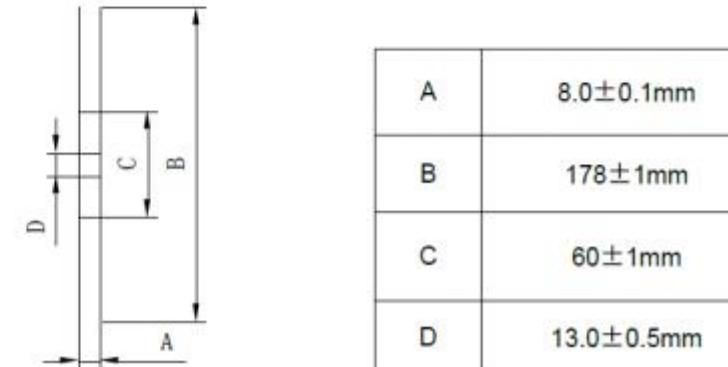


TAPING SPECIFICATIONS

RECOMMENDED RoHS SOLDER PROFILE

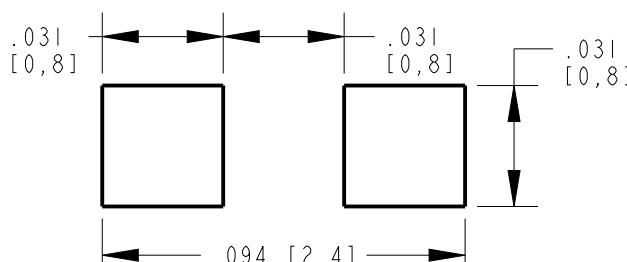


Reel Dimension



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

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 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		
WHITE	20mA	430	1000	2.8	3.4	*X=0.272 Y=0.258	10 μ A @ VR=5V	140	450	

*CALCULATED CHROMATICITY CORDINATES (TYP)

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 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
DTr/Dt	TEMPERATURE RISING RATE	WITHIN 3°C/sec
DTd/Dt	TEMPERATURE DECREASING RATE	WITHIN 6°C/sec



ATTENTION:
OBSERVE PRECAUTIONS FOR
HANDLING ELECTROSTATIC
SENSITIVE DEVICES

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SCALE: 25.000	DRAWING NUMBER	REV
ALL DIM's: INCH (mm)		
TOLERANCES: UNLESS OTHERWISE SPECIFIED		
FRACTIONS: $\pm 1/64$ DECIMALS (.XX): $\pm .01$ DECIMALS (.XXX): $\pm .005$ DECIMALS (.XXXX): $\pm .0005$ ANGLES: $\pm 1^\circ$		
FINISH		
	C-18662	B
TITLE	SMD LED 0603 WHITE W/ YELLOW DIFFUSED LENS	
MATERIAL		
FSCM	83330	
SHEET	1 OF 1	FAMILY TABLE:

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