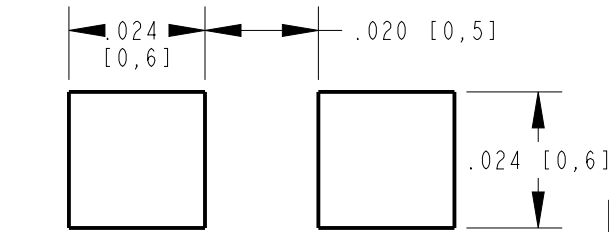
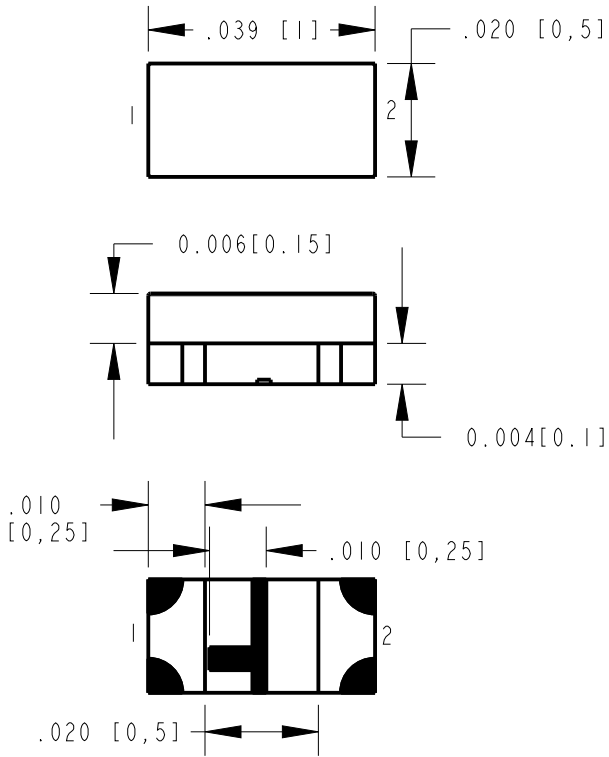


DIALIGHT PART NO.	LED COLOR
598-2A00-107F	WHITE (X=0.31,Y=0.31)
598-2A00-102F	

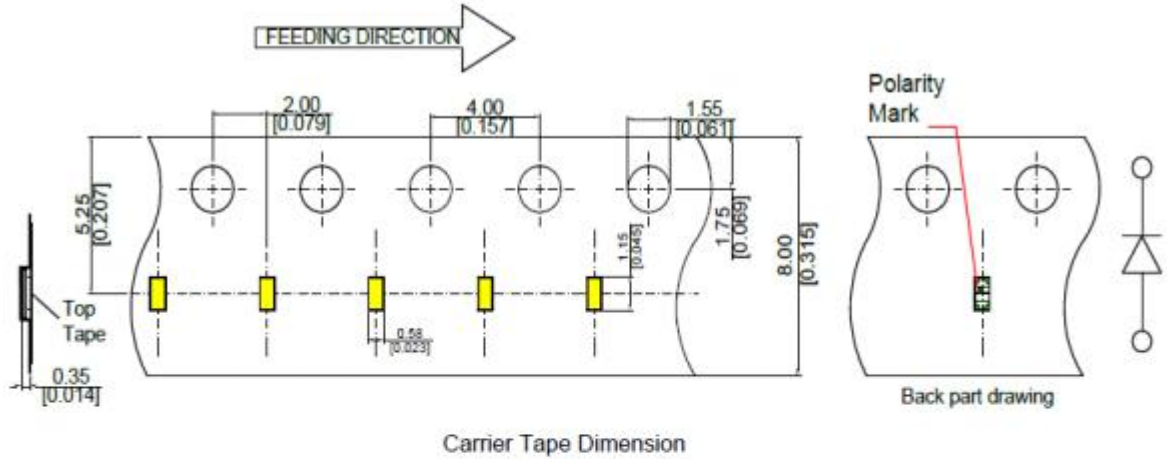
- NOTES:
- PIN NUMBERS ARE FOR REFERENCE ONLY, DESIGNATION NON-EXISTENT ON PART.
 - LABELING FOR REEL AND OUTSIDE OF ALUMINUM BAG, DIALIGHT P/N, QUANTITY PER REEL, DATE CODE, INTENSITY BIN CODE, LOT NUMBER AND COUNTRY OF ORIGIN.
 - THIS PRODUCT IS RoHS COMPLIANT. EACH BAG IS TO BE MARKED WITH RoHS COMPLIANT 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	106183	NEW RELEASE	JSG	CS	NO	31MAY23

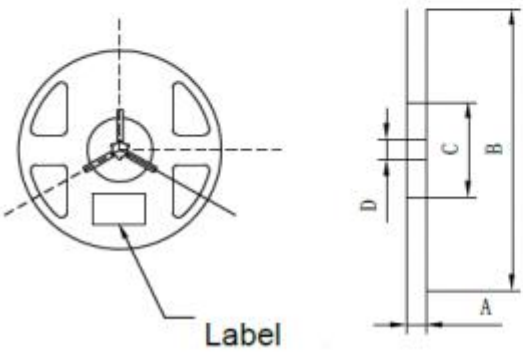


RECOMMENDED SOLDER PAD LAYOUT

Carrier Tape Dimension

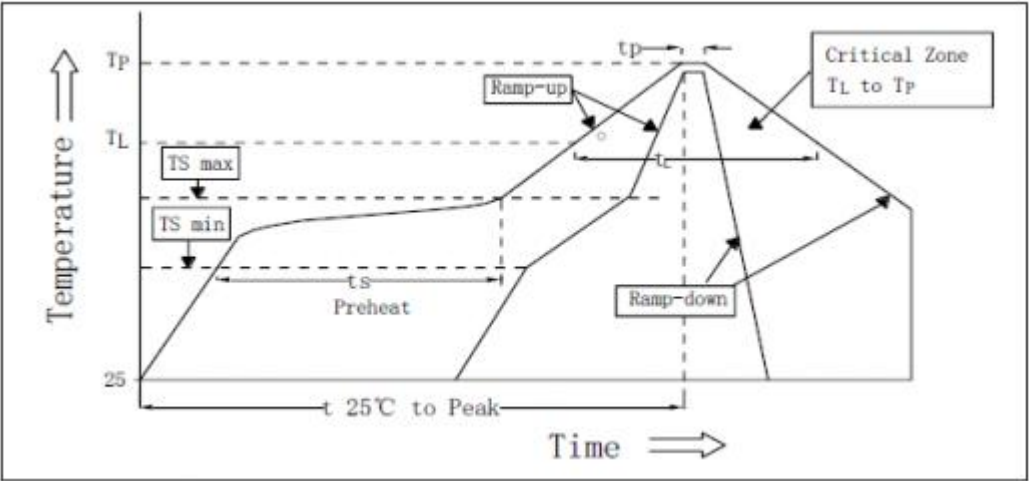


Reel Dimension



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

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

ABSOLUTE MAXIMUM RATINGS AT 25°C							
LED COLOR	POWER DISSIPATON (mW)	FORWARD CURRENT (mA)	PEAK FORWARD CURRENT (mA)	ELECTROSTATIC DISCHARGE (V)	OPERATING TEMPERATURE (°C)	STORAGE TEMPERATURE (°C)	DERATING CURVE FROM 25°C (mA/°C)
WHITE	66	20	60 1/10DUTY CYCLE 0.1ms PULSE WIDTH	1000	-40°C TO +85°C	-40°C TO +85°C	0.250

OPERATING CHARACTERISTICS AT 25°C AMBIENT									
LED COLOR	TEST CONDITION (mA)	LUMINOUS INTENSITY (mcd)		FORWARD VOLTAGE (V)		CHROMATICITY COORDINATES	REVERSE CURRENT (uA)	VIEWING ANGLE (DEGREES)	THERMAL RESISTANCE (°C/W)
		TYP	MIN	MAX	MIN	MAX	TYP	MAX	
WHITE	5mA	315	530	2.6	3.4	*X=0.314 Y=0.315	10µA @ VR=5V	140	450

*CALCULATED



ATTENTION:
OBSERVE PRECAUTIONS FOR
HANDLING ELECTROSTATIC
SENSITIVE DEVICES

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DIALIGHT CORP. INTERNAL REFERENCE ONLY = 3D MODEL : 4500521862223-A.1		
SCALE:	DRAWING NUMBER	REV
ALL DIM's: INCH (mm)	C-18665	A
TOLERANCES: UNLESS OTHERWISE SPECIFIED	TITLE	
FRACTIONS: $\pm 1/64$ DECIMALS (.XX): ± 0.01 DECIMALS (.XXX): ± 0.005 DECIMALS (.XXXX): ± 0.0005 ANGLES: $\pm 1^\circ$	SM 0402 WHT 0.25mm THICKNESS	
FINISH	MATERIAL	
-	-	
FSCM 83330	Dialight	
	1501 ROUTE 34 SOUTH FARMINGDALE, NJ 07727 (732) 919-3119 www.dialight.com	
	SHEET 1 OF 1	FAMILY TABLE: