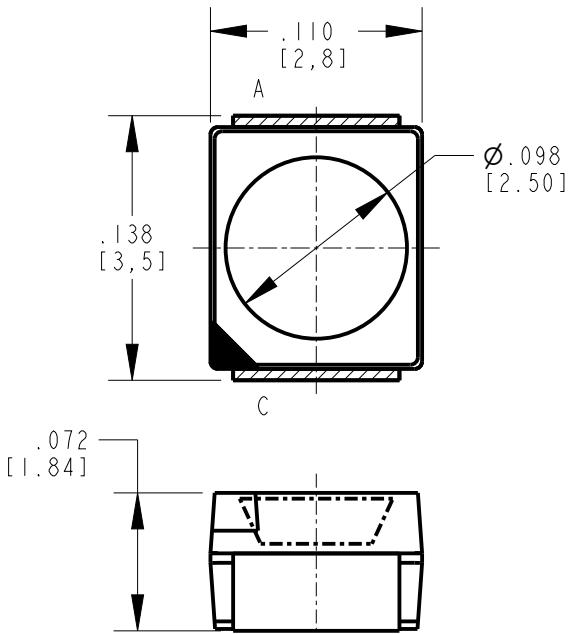


DIALIGHT PART NO.	LED CHIP COLOR TYP
598-2B00-107F	WHITE X=.281, Y=.247

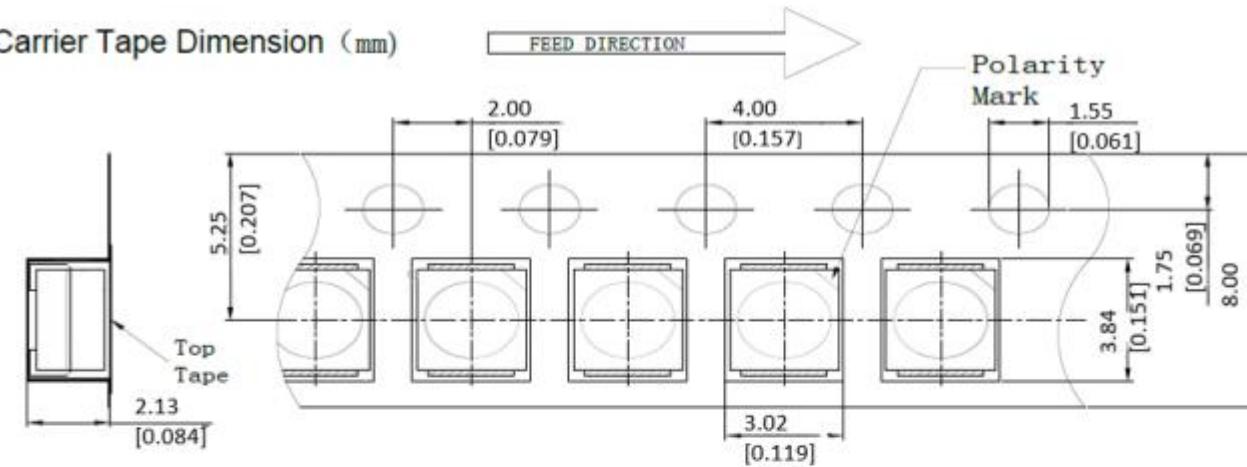
NOTES:

1. PARTS ARE TO BE SUPPLIED IN 8mm CARRIER TAPE ON 7" REEL  
2000 PCS PER REEL.
2. PIN NUMBERS ARE FOR REFERANCE ONLY, DESIGNATION NON  
EXISTENT ON PART.
3. 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.
4. THIS PRODUCT IS ROHS COMPLIANT EACH BAG IS TO BE MARKED WITH ROHS  
COMPLIANT LABEL OR EQUIVALENT MARKINGS. LED MUST BE Pb FREE.
5. MOISTURE SENSITIVITY LEVEL IS 2.

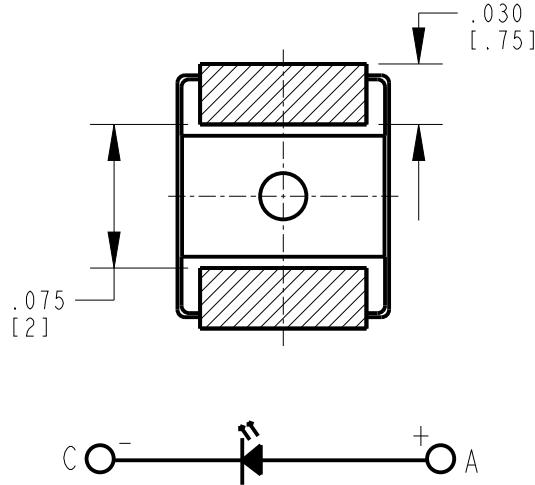
REV	ECN NO	REVISIONS	DRN	CKD	APP	DATE
A	110746	NEW RELEASE	JSG	NO	CS	10OCT23



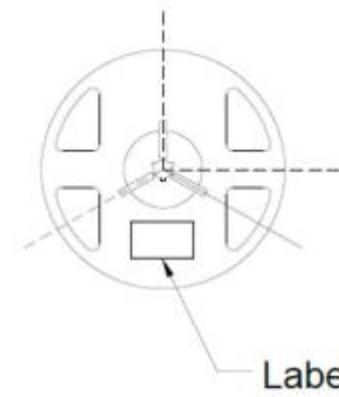
#### Carrier Tape Dimension (mm)



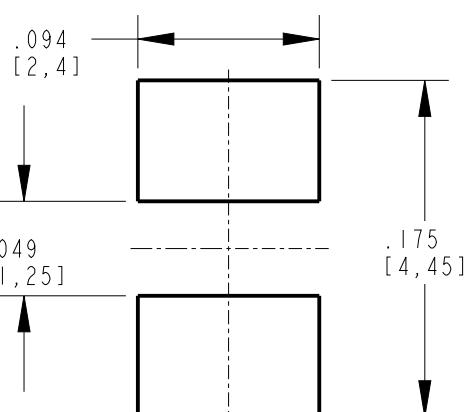
TOLERANCE (UNLESS OTHERWISE SPECIFIED):  $\pm 0.003$  ( $\pm 0.1$  mm)



### Reel Dimensions



## LED SCHEMATIC



## RECOMMENDED SOLDER PAD LAYOUT

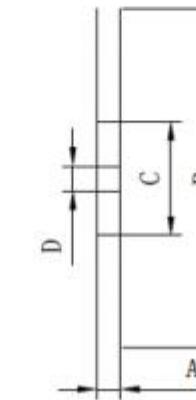
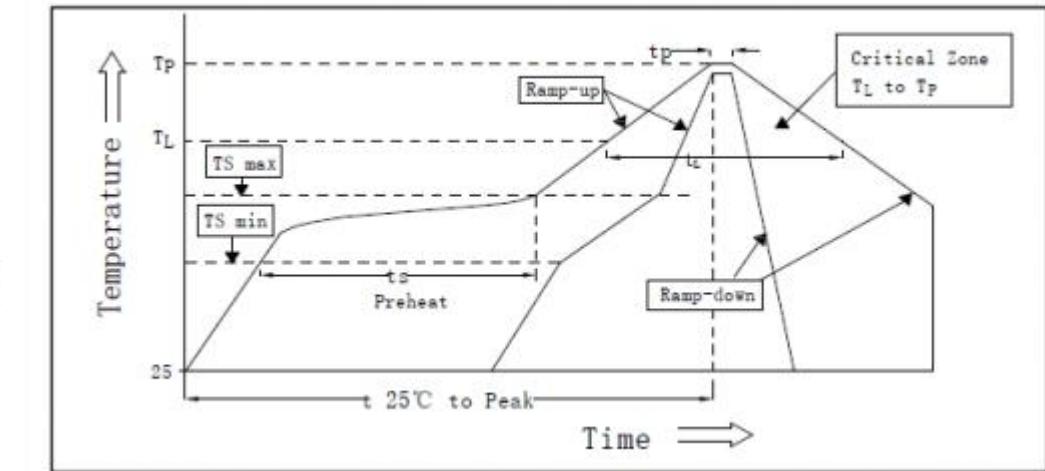


Table : Reel Dimensions

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

## RECOMMENDED RoHS SOLDER PROFILE



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



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

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ABSOLUTE MAXIMUM RATINGS AT 25°C							
LED COLOR	POWER DISSIPATION (mW)	FORWARD CURRENT (mA)	PEAK FORWARD CURRENT (mA)	OPERATING TEMPRATURE (°C)	STORAGE TEMPRATURE (°C)	DERATING CURVE FROM 85°C (mA/°C)	ELECTROSTATIC DISCHARGE (V)
WHITE	91	30	100	-40°C TO +100°C	-40°C TO +100°C	0.666	2000

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	TYP	MAX	MIN	TYP	MAX	TYP	MAX	TYP	MAX
WHITE	3mA	23	37	53	2.5	2.7	3.1	* X=0.281 Y=0.247	10μA @ VR=5V	120	300

\*CALCULATED

M 83330

# Dialight

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## OF | FAMILY TABLE: