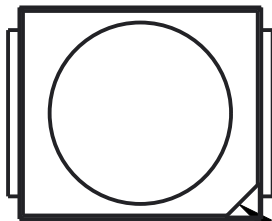


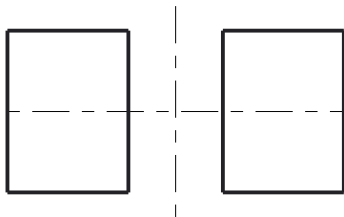
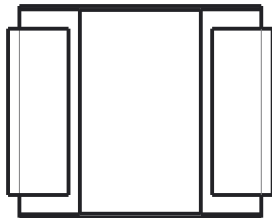
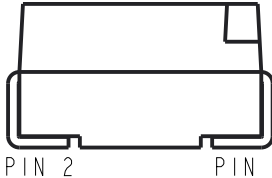
PART NUMBER	LED COLOR (nm)
598-8B10-107F	RED (623)
598-8B30-107F	ORANGE (605)
598-8B40-107F	YELLOW (590)
598-8B60-107F	YELLOW GREEN (570)
598-8B80-107F	GREEN (525)
598-8B90-107F	BLUE (470)

- 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 IS 2000 PCS/ REEL

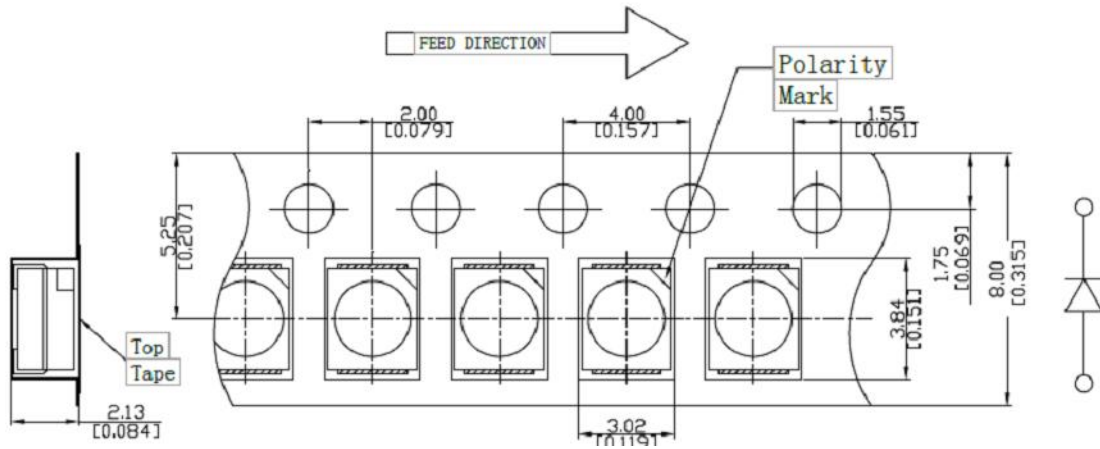
REV	REVISIONS	DRN	APP	DATE
A	NEW RELEASE	LD	NO	1-9-19
B	ADDED VIEWING ANGLE, REVISED FORWARD VOLTAGE	LD	NO	7-31-19
C	DERATING VALUE WAS .56	LD	NO	9-20-19
D	REMOVED PART NUMBERS W/ -102F SUFFIX	LD	CS	11-11-25



POLARITY MARK



RECOMMENDED SOLDER PAD LAYOUT



UNITS: mm
TOLERANCE (UNLESS OTHERWISE SPECIFIED): ±0.2mm

TAPING SPECIFICATIONS

ABSOLUTE MAXIMUM RATINGS AT 25°C							
LED COLOR	POWER DISSIPATON (mW)	FORWARD CURRENT (mA)	PEAK FORWARD CURRENT (mA)	REVERSE VOLTAGE (V)	OPERATING TEMPERATURE (°C)	STORAGE TEMPERATURE (°C)	DERATING CURVE FROM 45°C (mA/°C)
RED	72	30	100	5	-40 TO +85	-40 TO +100	.625
ORANGE	72						.625
YELLOW	72						.625
YELLOW GREEN	72						.625
GREEN	100						.625
BLUE	100						.625

OPERATING CHARACTERISTICS AT 25°C											
LED COLOR	IF (mA)	LUMINOUS INTENSITY (mcd)			DOMINANT WAVELENGTH (nm)			REVERSE CURRENT MAX	FORWARD VOLTAGE		VIEWING ANGLE (DEG)
		MIN.	TYP.	MAX.	MIN.	TYP.	MAX.		TYP.	MAX.	
RED	20	200	380	560	615	623	630	10µA @ VR=5V	1.8	2.4	120
ORANGE		260	345	430	600	605	610		1.8	2.4	
YELLOW		200	315	430	585	590	595		1.8	2.4	
YELLOW GREEN		40	80	120	565	570	575		1.8	2.4	
GREEN		1200	1750	2300	520	525	530		2.8	3.5	
BLUE		230	395	560	465	470	475		2.8	3.5	

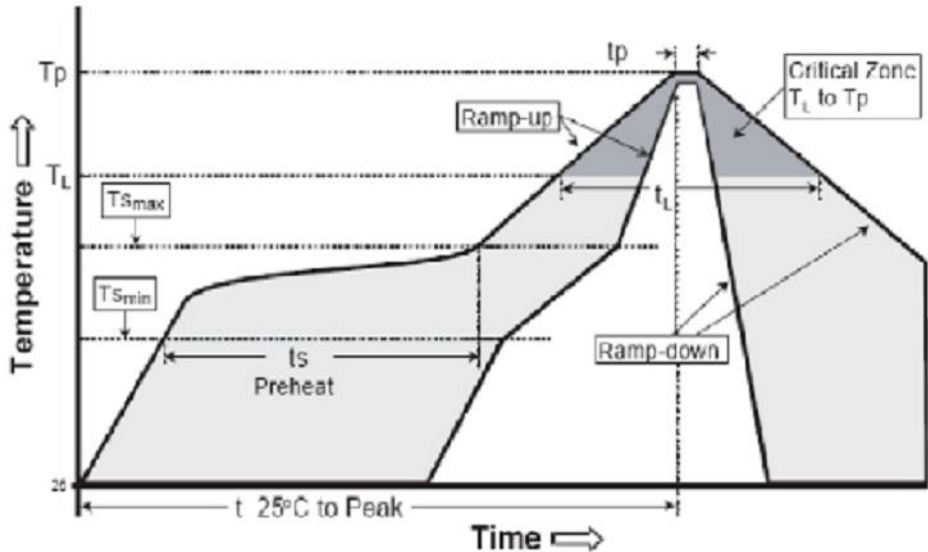
PIN 2 ANODE PIN 1 CATHODE

LED SCHEMATIC



ATTENTION:
OBSERVE PRECAUTIONS FOR
HANDLING ELECTROSTATIC
SENSITIVE DEVICES

RECOMMENDED RoHS SOLDER PROFILE



MARK	DEFINITION	CONDITION
TS _{max}	Maximum of pre-heating temperature	200°C
TS _{min}	Minimum of pre-heating temperature	150°C
TS	Time form Tsmin to Tsmax	60-120 sec
TL	Reference temperature	217°C
t _L	Retention time for TL	within 60s
TP	Peak Temperature	260°C
t _p	Time for peak temperature	within 10s
DTr/Dt	Temperature rising rate	under 3°C/sec
DTd/Dt	Temperature decreasing rate	under -3°C/sec

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SCALE: 10.00	DRAWING NUMBER	REV
ALL DIM's: INCH (mm)	C-18404	D
TOLERANCES: UNLESS OTHERWISE SPECIFIED FRACTIONS: ±1/64 DECIMALS (.XX): ±.01 DECIMALS (.XXX): ±.008	TITLE	3528 PACKAGE
ANGLES: ±1° FINISH	MATERIAL	-
FSCM 83330	Dialight	1501 ROUTE 34 SOUTH FARMINGDALE, NJ 07727 (732) 919-3119 www.dialight.com
	SHEET 1 OF 1	FAMILY TABLE: