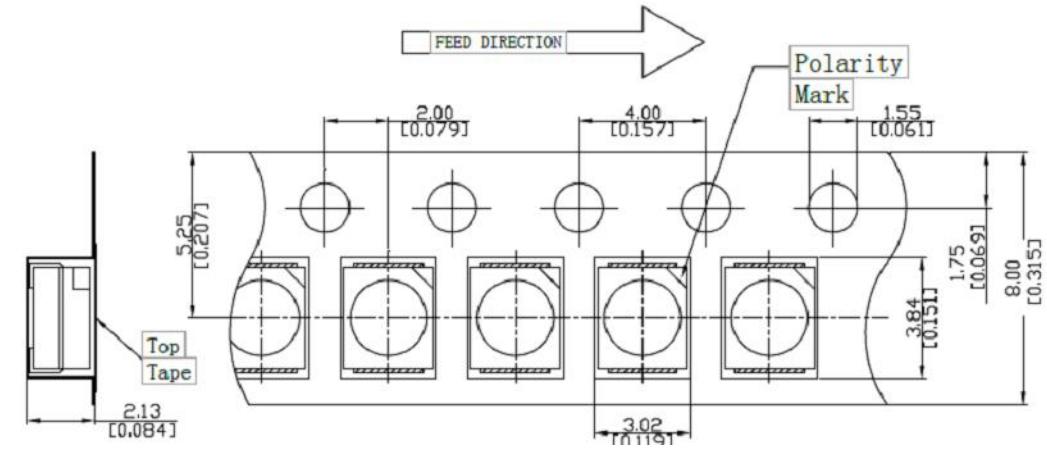
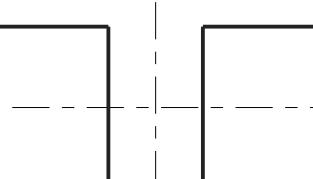
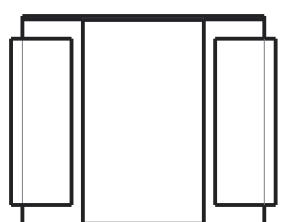
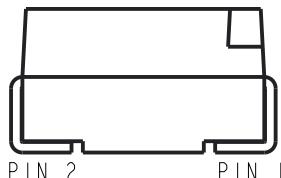
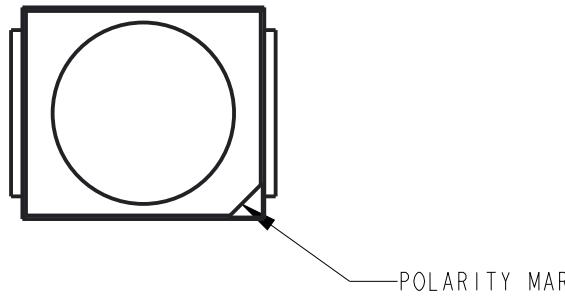


PART NUMBER	LED COLOR (nm)
598-8B10-107F	RED (623)
598-8B30-107F	ORANGE (605)
598-8B40-107F	YELLOW (590)
598-8B60-107F	YELLOW GREEN (570)
598-8B80-107F	GREEN (525)
598-8B90-107F	BLUE (470)

NOTE:

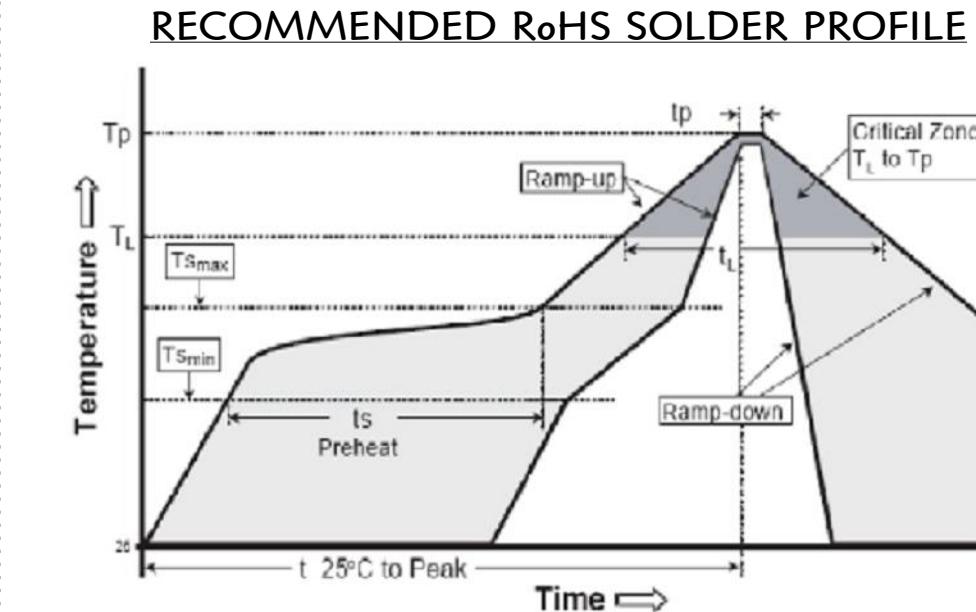
1. PIN NUMBERS ARE FOR REFERENCE ONLY, DESIGNATION NON-EXISTENT ON PART.
2. LABELING FOR REEL AND OUTSIDE OF ALUMINUM BAG, DIALIGHT P/N, QUANTITY PER REEL, DATE CODE, INTENSITY BIN CODE, LOT NUMBER AND COUNTRY OF ORIGIN
3. THIS PRODUCT IS RoHS COMPLIANT. EACH BAG IS TO BE MARKED WITH RoHS COMPLIANT LABEL OR EQUIVALENT MARKINGS. LED MUST BE Pb FREE.
4. MOISTURE SENSITIVITY LEVEL 3
5. QUANTITY 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



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

TAPING SPECIFICATIONS



MARK	DEFINITION	CONDITION
TS_{max}	Maximum of pre-heating temperature	200°C
TS_{min}	Minimum of pre-heating temperature	150°C
T_s	Time from TS_{min} to TS_{max}	60-120 sec
T_L	Reference temperature	217°C
t_L	Retention time for T_L	within 60s
T_p	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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ABSOLUTE MAXIMUM RATINGS AT 25°C							
LED COLOR	POWER DISSIPATION (mW)	FORWARD CURRENT (mA)	PEAK FORWARD CURRENT (mA)	REVERSE VOLTAGE (V)	OPERATING TEMPERATURE (°C)	STORAGE TEMPRATURE (°C)	DERATING CURV 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		LUMINOUS INTENSITY (mcd)			DOMINANT WAVELENGTH (nm)			REVERSE CURRENT	FORWARD VOLTAGE		VIEWING ANGLE (DEG)
		IF (mA)	MIN.	TYP.	MAX.	MIN	TYP.	MAX	MAX	TYP.	MAX.
RED	20	200	380	560	615	623	630	10 μA @ 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	



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

RECOMMENDED SOLDER PAD LAYOUT