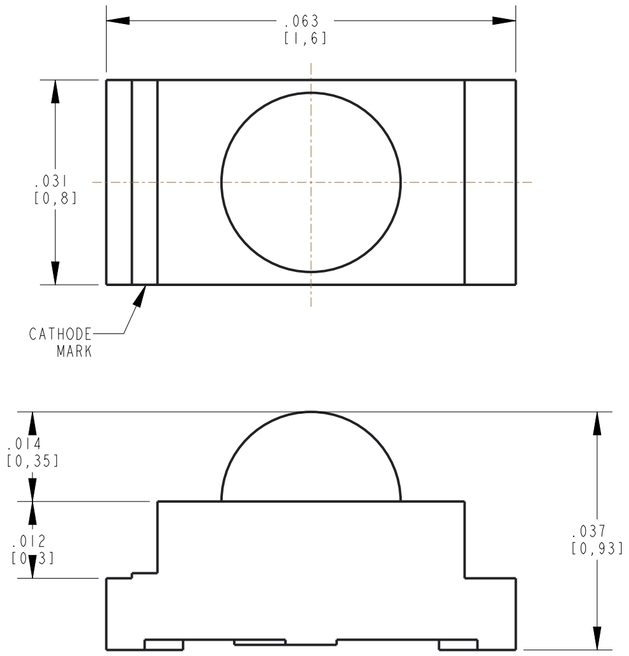
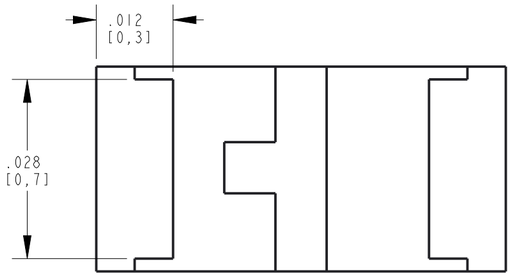
DIALIGHT PART NO.	LED COLOR (nm)
598-8E20-107F	RED ORANGE (625)
598-8E30-107F	ORANGE (605)
598-8E40-107F	YELLOW (590)
598-8E60-107F	YELLOW GREEN (570)
598-8E80-107F	GREEN (525)
598-8E90-107F	BLUE (470)

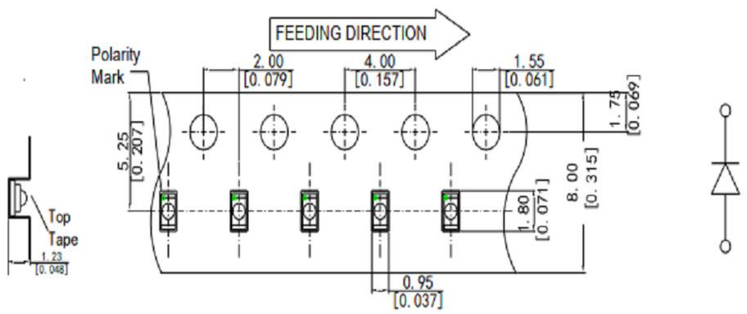
REV	ECN NO	REVISIONS	DRN	APP	DATE
A	——	NEW RELEASE	LD	NO	9-24-19
B	——	ADDED DIM .039	LD	NO	11-13-19
C	——	P/N 598-8E10-102F,107F CHANGED TO 598-8E20-102F,107F, REMOVED I_F VALUES UNDER FWD VOLTAGE	LD	NO	02-05-20
D	123706	MODEL & SPECS UPDATED, ADDED MSL, REMOVED -102F PARTS	LD	CS	11-26-24
E	143405	REVISED NOTE 1 WAS 4000 PCS PER REEL	LD	CS	7-20-26



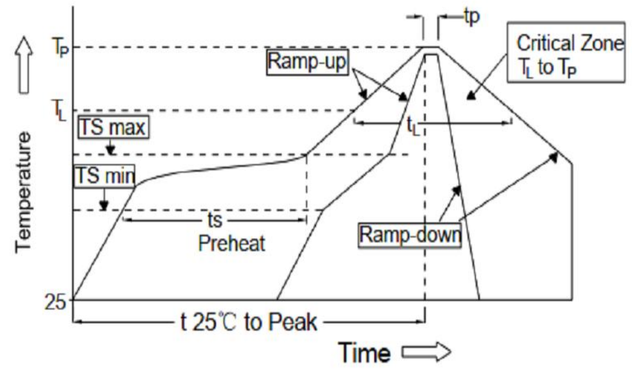


TAPING SPECIFICATIONS

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



RECOMMENDED RoHS SOLDER PROFILE



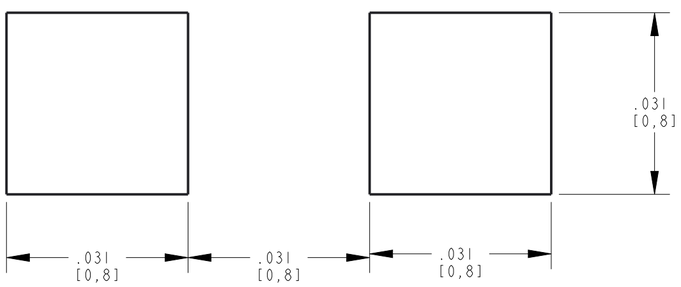
MARK	DEFINITION	CONDITION
T^S_{max}	Maximum of pre-heating temperature	200 °C
T^S_{min}	Minimum of pre-heating temperature	150 °C
T_s	Time form Tsmin to Tsmax	60-120 sec
T_L	Reference temperature	217 °C
t_L	Retention time for TL	within 60s
T_P	Peak Temperature	260 °C
t_P	Time for peak temperature	within 10s
DTr/Dt	Temperature rising rate	under 6° C/sec
DTd/Dt	Temperature decreasing rate	under -3° C/sec

ELECTRICAL OPTICAL CHARACTERISTICS AT 25°C											
LED COLOR	TEST CONDITION	LUMINOUS INTENSITY (mcd)			DOMINANT WAVELENGTH (nm)			REVERSE CURRENT (uA)	FORWARD VOLTAGE (V)		VIEWING ANGLE (DEG)
	I_F(mA)	MIN.	TYP.	MAX.	MIN	TYP.	MAX	MAX	TYP.	MAX.	TYP
RED ORANGE	20	350	500	650	615	625	630	10	1.6	2.4	60
ORANGE		430	615	800	600	605	610		1.6	2.4	
YELLOW		350	530	650	585	590	595		1.6	2.4	
YELLOW GREEN		100	230	530	565	570	575		1.8	2.4	
GREEN		350	800	1800	515	525	535		2.6	3.6	
BLUE		430	650	1000	460	470	475		2.6	3.6	

ABSOLUTE MAXIMUM RATINGS AT 25°C							
LED COLOR	POWER DISSIPATON (mW)	FORWARD CURRENT (mA)	PEAK FORWARD CURRENT (mA)	ELECTROSTATIC DISCHARGE (V)	OPERATING TEMPRATURE (°C)	STORAGE TEMPRATURE (°C)	SOLDERING CONDITION (°C)
RED ORANGE	72	30	60	2000	-40 to +85	-40 to +85	260
ORANGE							
YELLOW							
YELLOW GREEN							
GREEN	108			1000			
BLUE	108						



RECOMMENDED PAD LAYOUT



ATTENTION:
OBSERVE PRECAUTIONS FOR HANDLING ELECTROSTATIC SENSITIVE DEVICES

NOTES:

1. QUANTITY IS 3,000 PCS PER REEL
2. PIN NUMBERS ARE FOR REFERENCE ONLY, DESIGNATION NON-EXISTENT ON PART.
3. THIS ASSEMBLY CONTAINS ELECTROSTATIC DISCHARGE SENSITIVE DEVICES (ESDS). MAINTAIN ALL PRECAUTIONARY MEASURES DURING ASSEMBLY, HANDLING AND STORAGE IN ACCORDANCE WITH IPC-A-610.
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 3

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DIALIGHT CORP INTERNAL REFERENCE ONLY : 3D MODEL : 450052184X15-A.1

SCALE: 35.00
ALL DIM'S IN: INCHES (MM)
TOLERANCES: UNLESS OTHERWISE SPECIFIED
FRACTIONS: ±1/64
DECIMALS (.XX): ±.01
DECIMALS (.XXX): ±.005
DECIMALS (.XXXX): ±.0005
ANGLES: ±1°
FINISH
FSCM 83330

DRAWING NUMBER: C18448
REV: E
TITLE: 0603 W/ LENS
MATERIAL

Dialight
1501 ROUTE 34 SOUTH
FARMINGDALE, NJ 07727
(732) 919-3119
www.dialight.com

SHEET 1 OF 1
FAMILY TABLE:

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